Drinking Water Surveillance Program

SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

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SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM
1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The South Peel (Lakeview) Water Supply System is a conventional treatment plant which treats water from Lake Ontario. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. This plant has a design capacity of 400 x 1000 m^3/day and in conjunction with the Lorne Park Water Supply System serves a population of approximately 600,000.

Water samples from the raw, treated and three distribution sites were taken on a monthly basis. The South Peel (Lakeview) Water Supply System was sampled for approximately 180 parameters monthly. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organic (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polyaromatic Hydrocarbons, Specific Pesticides and Volatiles). Chlorophenols and Specific Pesticides were analyzed for in June only.

A summary of results is shown in Table A.

Inorganic and Physical parameters were below any applicable health related ODWOs.

Of a total of approximately 110 Organic parameters tested for on a monthly basis, none exceeded health related guidelines.

During 1989 the DWSP sampling results indicated that the South Peel (Lakeview) Water Supply System produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS

SUMMARY TABLE BY SCAN

SCAN	RAW			TREATED			SITE 2			SITE 3		
	TESTS	POSITIVE	%POSITIVE	TESTS	POSITIVE	%POSITIVE	TESTS	POSITIVE	%POSITIVE	TESTS	POSITIVE	%POSITIVE
BACTERIOLOGICAL	35	32	91	36	5	13	36	3	8	30	2	6
CHEMISTRY (FLD)	39	36	92	71	71	100	144	138	95	120	120	100
CHEMISTRY (LAB)	252	221	87	251	188	74	444	384	86	370	317	85
METALS	288	175	60	288	156	54	564	325	57	470	276	58
CHLOROAROMATICS	154	0	0	154	0	0	154	0	0	126	0	0
CHLOROPHENOLS	6	0	0	6	0	0	.	.	.	.	.	.
PAH	185	0	0	188	0	0	.	.	.	.	.	.
PESTICIDES & PCB	387	0	0	387	0	0	322	0	0	267	0	0
PHENOLICS	12	5	41	12	10	83	.	.	.	.	.	.
SPECIFIC PESTICIDES	40	0	0	40	0	0	10	0	0	8	0	0
VOLATILES	348	0	0	348	48	13	348	48	13	290	40	13
TOTAL	1746	469		1781	478		2022	898		1681	755	

NO HEALTH RELATED GUIDELINES WERE EXCEEDED

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE
A '.' INDICATES THAT NO SAMPLE WAS TAKEN

DRINKING WATER SURVEILLANCE PROGRAM

SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM
1989 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The DWSP was initiated at the South Peel (Lakeview) Water Supply System in 1984 as a test plant during the developmental period of DWSP. Annual reports were published for 1986 (ISBN 0-7729-2559-3), 1987 and 1988 (ISSN 0839-9069).

This report contains information and results for 1989.

In order to accommodate the increasing number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a comprehensive discussion of results. For more detail on the parameters analyzed and discussion of results, consult the 1987 and 1988 reports.

PLANT DESCRIPTION

The South Peel (Lakeview) Water Supply System has a conventional treatment plant which treats water from Lake Ontario. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. Sulphur Dioxide is used as a dechlorinator and ammoniation is used to produce a long-lasting residual in the distribution system. This plant has a design capacity of 400 x 1000 m^3/day and daily flows for the day of sampling ranged from 136 x 1000 m^3/day to 393 x 1000 m^3/day. The Lakeview Water Supply System in conjunction with the Lorne Park Water Supply System serves a population of approximately 600,000.

The plant location is shown in Figure 1. Plant process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

The South Peel (Lakeview) Water Supply System was sampled for approximately 180 parameters on a monthly basis. The Specific Pesticides and Chlorophenols scans were sampled for in June only.

TABLE 1

PARAMETER		LOCATION	FREQUENCY
Chlorine residual -	free	Raw water	every 2hrs
	combined	Filter effluent	every 2 hrs
		Treated water	every 2 hrs
	total	Filter effluent	every 2 hrs
		Treated water	every 2 hrs
Fluoride		Raw water	every 2 hrs
		Treated water	continuous
			every 2 hrs
			daily
pH		Raw water	every 2 hrs
		Treated water	every 6 hrs
		After chlorine	continuous
Temperature		Raw water	continuous
Turbidity		Raw water	every 2 hrs
		Settled water	every 2 hrs
		Distribution main	every 2 hrs

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

GENERAL INFORMATION

SOUTH PEEL (LAKEVIEW) WATER SUPPLY SYSTEM

LOCATION:	920 EAST AVE MISSISSAUGA, ONTARIO L5E 1W6 (416-278-8471)
SOURCE:	RAW WATER SOURCE - LAKE ONTARIO
RATED CAPACITY:	400 (1000 M^3/DAY)
OPERATION:	MINISTRY OF THE ENVIRONMENT (MOE)
PLANT SUPERINTENDENT:	R. TUFTS
MINISTRY REGION:	CENTRAL
MOE OFFICER:	J. TIMKO

MUNICIPALITY SERVED	POPULATION
BRAMPTON	125,000
MISSISSAUGA	325,000

FIGURE 1

DRINKING WATER SURVEILLANCE PROGRAM

SITE LOCATION MAP

SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT

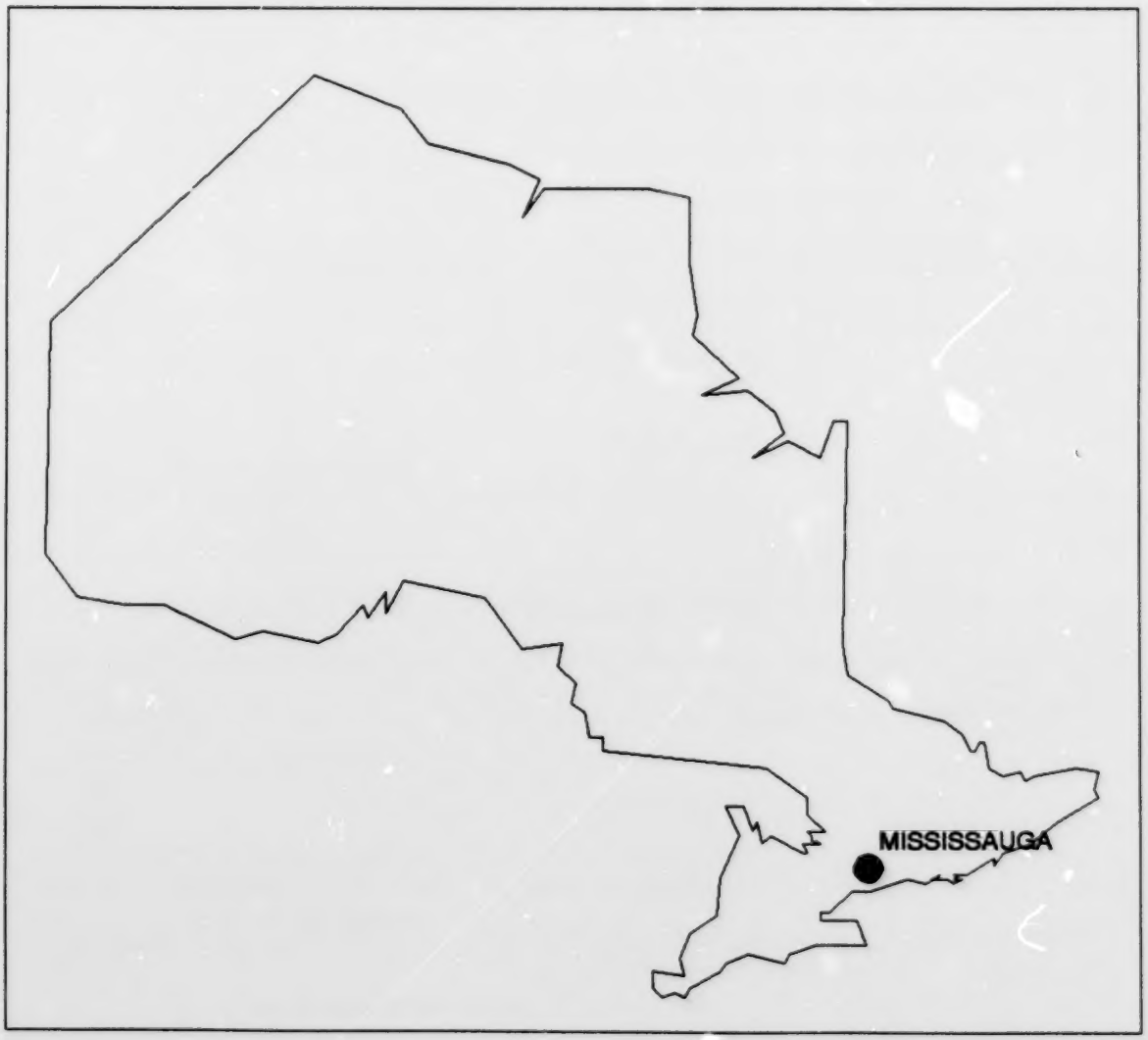
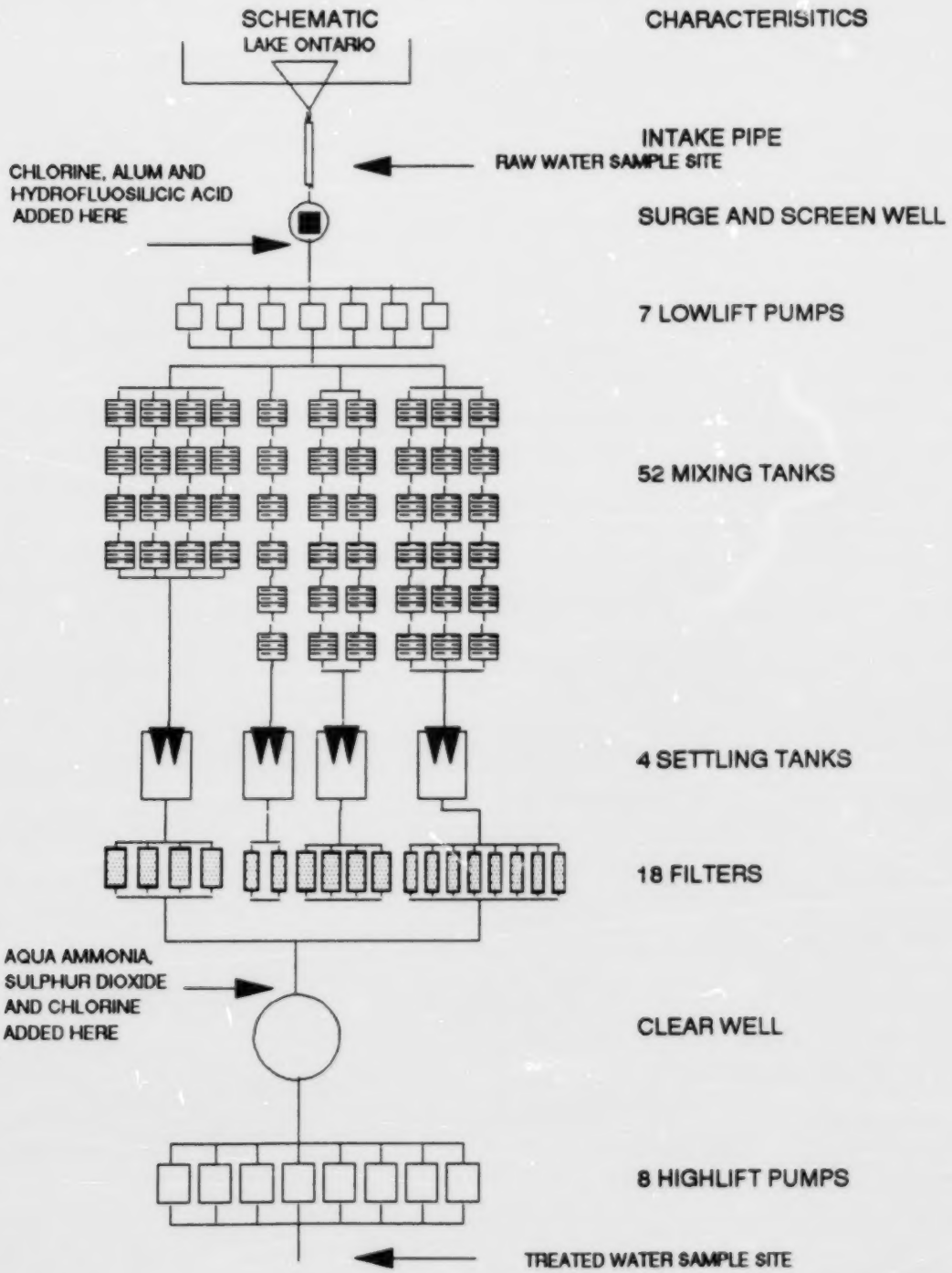


Figure 2

SOUTH PEEL (LAKEVIEW) WATER TREATMENT PLANT



Polyaromatic Hydrocarbons and Phenolics are only analyzed for in the raw and treated water at the plant. As of August the triazine pesticides were only analyzed in the raw and treated water. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field measurements were recorded on the day of sampling and were entered on the DWSP data base as submitted.

Table 3 contains information on sample day retention time, flow rate, treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed for by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed in the DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each scan.

DISCUSSION

General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters, these are currently under review. When an ODWO is not available guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS) recently published (ISBN 0-7729-4461-x) by the MOE catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND

ORGANICS WITH DETECTED POSITIVE RESULTS.

Results for treated and distributed water indicate that no health related guidelines were exceeded.

Inorganic and Physical Parameters

Ammonium

The Total Ammonium levels are elevated with a maximum level of 0.236 mg/L, not as a result of naturally occurring ammonia (eg. from sewage pollution) but from the ammonia added in the treatment process. The ammonia is added after filtration to combine with the chlorine added during post-chlorination to provide a long lasting combined chlorine residual in the distribution system. While the European Economic Community has an aesthetic guideline of .05 mg/L, the Maximum Admissible Concentration is .50 mg/L and is set as a result of the concern for potential sewage pollution and its detection.

Aluminum

The plant operational guideline of 100 µg/L as Al in the water leaving the plant was exceeded four times in the treated water.

Organic Parameters

Trihalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. All Total THM occurrences, ranging from 12.3 to 48.7 µg/L, were well below the ODWO of 350 µg/L.

CONCLUSIONS

The South Peel (Lakeview) Water Supply System for the sample year of 1989 produced good quality water at the plant and this was maintained in the distribution system.

No health related guidelines, for organic or inorganic parameters were exceeded during the sampling period from 1986 to 1989.

Comparison with the DWSP analyses reported in the 1986, 1987 and 1988 annual reports show that raw and treated water quality has remained consistent.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS SAMPLE DAY CONDITIONS FOR 1989

	SAMPLE DAY CONDITIONS		TREATMENT CHEMICAL DOSAGES (MG/L)				
			PRE-CHLORINATION	COAGULATION	FLUORIDATION	TASTE & ODOUR	DECHLORINATION
			CHLORINE	ALUM LIQUID	HYDROFLUOSILICIC ACID	AMMONIUM ANHYDROUS	SULPHUR DIOXIDE
DATE	DELAY* TIME(HRS)	FLOW (1000M3)					
JAN 05	4.4	191.0	2.77	10.00	1.05	.10	.69
FEB 07	4.4	191.0	3.37	5.00	1.11	.17	1.00
MAR 08	4.4	191.0	3.30	5.00	.70	.15	.52
APR 05	5.3	159.0	3.00	15.00	1.22	.18	.63
MAY 03	6.2	136.3	3.40	5.00	1.35	.21	.63
JUN 07	4.2	200.0	2.85	5.00	1.29	.20	.57
JUL 05	2.1	393.0	3.10	5.00	1.02	.18	.33
AUG 09	3.5	241.0	3.06	3.00	1.15	.19	.80
SEP 07	3.3	254.5	3.07	5.00	1.07	.09	.38
OCT 04	3.7	227.3	2.30	5.00	1.10	.19	.55
NOV 08	3.5	239.0	2.82	5.00	.	.16	.40
DEC 06	3.0	209.0	2.27	5.00	.	.15	.24

* THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	RAW			TREATED			SITE 2			SITE 3		
		TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
BACTERIOLOGICAL	FECAL COLIFORM MF	11	10	0	.	.	.	.	.	.	.	.	.
	STANDRD PLATE CNT MF	.	.	.	12	1	0	12	1	0	10	1	0
	TOTAL COLIFORM MF	12	10	0	12	1	0	12	0	0	10	0	0
	T COLIFORM BCKGRD MF	12	12	0	12	3	0	12	2	0	10	1	0
*TOTAL SCAN BACTERIOLOGICAL		35	32	0	36	5	0	36	3	0	30	2	0
*TOTAL GROUP BACTERIOLOGICAL		35	32	0	36	5	0	36	3	0	30	2	0
CHEMISTRY (FLD)	FLD CHLORINE (COMB)	1	0	0	12	12	0	24	20	0	20	20	0
	FLD CHLORINE FREE	1	0	0	11	11	0	24	22	0	20	20	0
	FLD CHLORINE (TOTAL)	1	0	0	12	12	0	24	24	0	20	20	0
	FLD PH	12	12	0	12	12	0	24	24	0	20	20	0
	FLD TEMPERATURE	12	12	0	12	12	0	24	24	0	20	20	0
	FLD TURBIDITY	12	12	0	12	12	0	24	24	0	20	20	0
*TOTAL SCAN CHEMISTRY (FLD)		39	36	0	71	71	0	144	138	0	120	120	0
CHEMISTRY (LAB)	ALKALINITY	12	12	0	12	12	0	24	24	0	20	20	0
	CALCIUM	12	12	0	12	12	0	24	24	0	20	20	0
	CYANIDE	12	0	0	12	0	0	12	0	0	10	0	0
	CHLORIDE	12	12	0	12	12	0	24	24	0	20	20	0
	COLOUR	12	6	6	12	0	12	24	0	23	20	0	20
	CONDUCTIVITY	12	12	0	12	12	0	24	24	0	20	20	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
CHEMISTRY (LAB)	FLUORIDE	12	12	0	12	11	1	24	24	0	20	20	0
	HARDNESS	12	12	0	12	12	0	24	24	0	20	20	0
	IONCAL	12	12	0	12	12	0	24	24	0	20	20	0
	LANGELIERS INDEX	12	12	0	11	11	0	24	24	0	20	20	0
	MAGNESIUM	12	12	0	12	12	0	24	24	0	20	20	0
	SODIUM	12	12	0	12	12	0	24	24	0	20	20	0
	AMMONIUM TOTAL	12	10	0	12	10	1	24	20	2	20	16	2
	NITRITE	12	9	3	12	0	11	24	8	16	20	2	12
	TOTAL NITRATES	12	12	0	12	12	0	24	24	0	20	20	0
	NITROGEN TOT KJELD	12	12	0	12	12	0	24	22	2	20	20	0
	PH	12	12	0	12	12	0	24	24	0	20	20	0
	PHOSPHORUS FIL REACT	12	4	5	12	1	6	.	.	.	.	.	.
	PHOSPHORUS TOTAL	12	12	0	12	0	12	.	.	.	.	.	.
	SULPHATE	12	12	0	12	12	0	24	24	0	20	20	0
	TURBIDITY	12	12	0	12	11	1	24	22	2	20	19	1
*TOTAL SCAN CHEMISTRY (LAB)		252	221	14	251	188	44	444	384	45	370	317	35
METALS	SILVER	12	0	7	12	0	9	24	0	10	20	0	12
	ALUMINUM	12	12	0	12	12	0	24	24	0	20	20	0
	ARSENIC	12	9	3	12	3	9	24	6	18	20	5	15
	BARIUM	12	12	0	12	12	0	24	24	0	20	20	0
	BORON	12	12	0	12	12	0	24	24	0	20	20	0
	BERYLLIUM	12	0	9	12	0	6	24	0	11	20	0	13

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

		SITE											
		RAW			TREATED			SITE 2			SITE 3		
SCAN	PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
METALS	CADMIUM	12	0	5	12	0	4	24	0	7	20	0	7
	COBALT	12	0	11	12	0	11	24	0	22	20	0	16
	CHROMIUM	12	9	3	12	7	4	24	12	12	20	15	5
	COPPER	12	12	0	12	12	0	24	24	0	20	20	0
	IRON	12	7	5	12	0	7	24	1	13	20	0	12
	MERCURY	12	2	3	12	4	2	12	3	3	10	4	3
	MANGANESE	12	12	0	12	9	3	24	19	5	20	18	2
	MOLYBDENUM	12	12	0	12	12	0	24	24	0	20	20	0
	NICKEL	12	2	10	12	2	10	24	4	20	20	4	16
	LEAD	12	12	0	12	4	7	24	24	0	20	20	0
	ANTIMONY	12	12	0	12	12	0	24	24	0	20	20	0
	SELENIUM	12	0	10	12	1	9	24	0	18	20	0	16
	STRONTIUM	12	12	0	12	12	0	24	24	0	20	20	0
	TITANIUM	12	12	0	12	12	0	24	24	0	20	20	0
	THALLIUM	12	0	6	12	0	8	24	0	13	20	0	8
	URANIUM	12	12	0	12	12	0	24	24	0	20	20	0
	VANADIUM	12	2	10	12	7	5	24	16	8	20	10	10
	ZINC	12	12	0	12	11	1	24	24	0	20	20	0
*TOTAL SCAN METALS		288	175	82	288	156	95	564	325	160	470	276	135
*TOTAL GROUP INORGANIC & PHYSICAL		579	432	96	610	415	139	1152	847	205	960	713	170
CHLOROAROMATICS	HEXACHLOROBUTADIENE	11	0	0	11	0	0	11	0	0	9	0	0
	123 TRICHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
CHLOROAROMATICS	1234 T-CHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	1235 T-CHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	124 TRICHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	1245 T-CHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	135 TRICHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	HCB	11	0	0	11	0	0	11	0	0	9	0	0
	HEXACHLOROETHANE	11	0	0	11	0	0	11	0	0	9	0	0
	OCTACHLOROSTYRENE	11	0	0	11	0	0	11	0	0	9	0	0
	PENTACHLOROBENZENE	11	0	0	11	0	0	11	0	0	9	0	0
	236 TRICHLOROTOLUENE	11	0	0	11	0	0	11	0	0	9	0	0
	245 TRICHLOROTOLUENE	11	0	0	11	0	0	11	0	0	9	0	0
	26A TRICHLOROTOLUENE	11	0	0	11	0	0	11	0	0	9	0	0
*TOTAL SCAN CHLOROAROMATICS		154	0	0	154	0	0	154	0	0	126	0	0
CHLOROPHENOLS	234 TRICHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
	2345 T-CHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
	2356 T-CHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
	245-TRICHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
	246-TRICHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
	PENTACHLOROPHENOL	1	0	0	1	0	0	.	.	.	.	.	.
*TOTAL SCAN CHLOROPHENOLS		6	0	0	6	0	0	0	0	0	0	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

		SITE											
		RAW			TREATED			SITE 2			SITE 3		
SCAN	PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
PAH	PHENANTHRENE	12	0	0	12	0	0	.	.	.	.	.	.
	ANTHRACENE	12	0	0	12	0	0	.	.	.	.	.	.
	FLUORANTHENE	11	0	0	12	0	0	.	.	.	.	.	.
	PYRENE	12	0	0	12	0	0	.	.	.	.	.	.
	BENZO(A)ANTHRACENE	12	0	0	12	0	0	.	.	.	.	.	.
	CHRYSENE	12	0	0	12	0	0	.	.	.	.	.	.
	DIMETH. BENZ(A)ANTHR	3	0	0	3	0	0	.	.	.	.	.	.
	BENZO(E) PYRENE	12	0	0	12	0	0	.	.	.	.	.	.
	BENZO(B) FLUORANTHEN	12	0	0	12	0	0	.	.	.	.	.	.
	PERYLENE	12	0	0	12	0	0	.	.	.	.	.	.
	BENZO(K) FLUORANTHEN	11	0	0	12	0	0	.	.	.	.	.	.
	BENZO(A) PYRENE	4	0	0	5	0	0	.	.	.	.	.	.
	BENZO(G,H,I) PERYLEN	12	0	0	12	0	0	.	.	.	.	.	.
	DIBENZO(A,H) ANTHRAC	12	0	0	12	0	0	.	.	.	.	.	.
	INDENO(1,2,3-C,D) PY	12	0	0	12	0	0	.	.	.	.	.	.
	BENZO(B) CHRYSENE	12	0	0	12	0	0	.	.	.	.	.	.
	CORONENE	12	0	0	12	0	0	.	.	.	.	.	.
*TOTAL SCAN PAH		185	0	0	188	0	0	0	0	0	0	0	0
PESTICIDES & PCB	ALDRIN	11	0	0	11	0	0	11	0	0	9	0	0
	ALPHA BHC	11	0	5	11	0	6	11	0	8	9	0	5
	BETA BHC	11	0	0	11	0	0	11	0	0	9	0	0
	LINDANE	11	0	3	11	0	2	11	0	1	9	0	1

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
PESTICIDES & PCB	ALPHA CHLORDANE	11	0	0	11	0	0	11	0	0	9	0	0
	GAMMA CHLORDANE	11	0	0	11	0	0	11	0	0	9	0	0
	DIELDRIN	11	0	0	11	0	0	11	0	0	9	0	0
	METHOXYCHLOR	11	0	0	11	0	0	11	0	0	9	0	0
	ENDOSULFAN 1	11	0	0	11	0	0	11	0	0	9	0	0
	ENDOSULFAN II	11	0	0	11	0	0	11	0	0	9	0	0
	ENDRIN	11	0	0	11	0	0	11	0	0	9	0	0
	ENDOSULFAN SULPHATE	11	0	0	11	0	0	11	0	0	9	0	0
	HEPTACHLOR EPOXIDE	11	0	0	11	0	0	11	0	0	9	0	0
	HEPTACHLOR	11	0	0	11	0	0	11	0	0	9	0	0
	MIREX	11	0	0	11	0	0	11	0	0	9	0	0
	OXYCHLORDANE	11	0	0	11	0	0	11	0	0	9	0	0
	OPDDT	11	0	0	11	0	0	11	0	0	9	0	0
	PCB	11	0	0	11	0	0	11	0	0	9	0	0
	DDD	11	0	0	11	0	0	11	0	0	9	0	0
	PPDDE	11	0	0	11	0	0	11	0	0	9	0	0
	PPDDT	11	0	0	11	0	0	11	0	0	9	0	0
	AMETRINE	12	0	0	12	0	0	7	0	0	6	0	0
	ATRAZINE	12	0	1	12	0	1	7	0	0	6	0	0
	ATRATONE	12	0	0	12	0	0	7	0	0	6	0	0
	CYANAZINE (BLADEX)	12	0	0	12	0	0	7	0	0	6	0	0
	D-ETHYL ATRAZINE	12	0	0	12	0	0	7	0	0	6	0	0
	D-ETHYL SIMAZINE	12	0	0	12	0	0	7	0	0	6	0	0
	PROMETONE	12	0	0	12	0	0	7	0	0	6	0	0
	PROPAZINE	12	0	0	12	0	0	7	0	0	6	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
PESTICIDES & PCB	PROMETRYNE	12	0	0	12	0	0	7	0	0	6	0	0
	METRIBUZIN (SENCOR)	12	0	0	12	0	0	7	0	0	6	0	0
	SIMAZINE	12	0	0	12	0	0	7	0	0	6	0	0
	ALACHLOR (LASSO)	12	0	0	12	0	0	7	0	0	6	0	0
	METOLACHLOR	12	0	0	12	0	0	7	0	0	6	0	0
*TOTAL SCAN PESTICIDES & PCB		387	0	9	387	0	9	322	0	9	267	0	6
PHENOLICS	PHENOLICS	12	5	7	12	10	2	.	.	.	.	.	.
*TOTAL SCAN PHENOLICS		12	5	7	12	10	2	0	0	0	0	0	0
SPECIFIC PESTICIDES	TOXAPHENE	10	0	0	10	0	0	10	0	0	8	0	0
	2,4,5-T	1	0	0	1	0	0	.	.	.	.	.	.
	2,4-D	1	0	0	1	0	0	.	.	.	.	.	.
	2,4-DB	1	0	0	1	0	0	.	.	.	.	.	.
	2,4 D PROPIONIC ACID	1	0	0	1	0	0	.	.	.	.	.	.
	DICAMBA	1	0	0	1	0	0	.	.	.	.	.	.
	PICHLORAM	1	0	0	1	0	0	.	.	.	.	.	.
	SILVEX	1	0	0	1	0	0	.	.	.	.	.	.
	DIAZINON	1	0	0	1	0	0	.	.	.	.	.	.
	DICHLOROVOS	1	0	0	1	0	0	.	.	.	.	.	.
	CHLORPYRIFOS	1	0	0	1	0	0	.	.	.	.	.	.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
SPECIFIC PESTICIDES	ETHION	1	0	0	1	0	0	.	.	.	.	.	.
	AZINPHOS-METHYL	1	0	0	1	0	0	.	.	.	.	.	.
	MALATHION	1	0	0	1	0	0	.	.	.	.	.	.
	MEVINPHOS	1	0	0	1	0	0	.	.	.	.	.	.
	METHYL PARATHION	1	0	0	1	0	0	.	.	.	.	.	.
	METHYLTRITHION	1	0	0	1	0	0	.	.	.	.	.	.
	PARATHION	1	0	0	1	0	0	.	.	.	.	.	.
	PHORATE	1	0	0	1	0	0	.	.	.	.	.	.
	RELDAN	1	0	0	1	0	0	.	.	.	.	.	.
	RONNEL	1	0	0	1	0	0	.	.	.	.	.	.
	AMINOCARB	1	0	0	1	0	0	.	.	.	.	.	.
	BENOMYL	1	0	0	1	0	0	.	.	.	.	.	.
	BUX	0	0	0	0	0	0	.	.	.	.	.	.
	CARBOFURAN	1	0	0	1	0	0	.	.	.	.	.	.
	CICP	1	0	0	1	0	0	.	.	.	.	.	.
	DIALLATE	1	0	0	1	0	0	.	.	.	.	.	.
	EPTAM	1	0	0	1	0	0	.	.	.	.	.	.
	IPC	1	0	0	1	0	0	.	.	.	.	.	.
	PROPOXUR	1	0	0	1	0	0	.	.	.	.	.	.
	CARBARYL	1	0	0	1	0	0	.	.	.	.	.	.
	BUTYLATE	1	0	0	1	0	0	.	.	.	.	.	.
*TOTAL SCAN SPECIFIC PESTICIDES		40	0	0	40	0	0	10	0	0	8	0	0
VOLATILES	BENZENE	12	0	1	12	0	0	12	0	2	10	0	3

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

SCAN	PARAMETER	SITE RAW TOTAL	RAW POSITIVE	RAW TRACE	TREATED TOTAL	TREATED POSITIVE	TREATED TRACE	SITE 2 TOTAL	SITE 2 POSITIVE	SITE 2 TRACE	SITE 3 TOTAL	SITE 3 POSITIVE	SITE 3 TRACE
VOLATILES	TOLUENE	12	0	6	12	0	6	12	0	9	10	0	4
	ETHYLBENZENE	12	0	2	12	0	2	12	0	4	10	0	1
	P-XYLENE	12	0	0	12	0	0	12	0	0	10	0	0
	M-XYLENE	12	0	0	12	0	0	12	0	3	10	0	0
	O-XYLENE	12	0	0	12	0	1	12	0	5	10	0	1
	STYRENE	12	0	11	12	0	9	12	0	11	10	0	7
	1,1 DICHLOROETHYLENE	12	0	0	12	0	0	12	0	0	10	0	0
	METHYLENE CHLORIDE	12	0	0	12	0	0	12	0	0	10	0	0
	T1,2DICHLOROETHYLENE	12	0	0	12	0	0	12	0	0	10	0	0
	1,1 DICHLOROETHANE	12	0	0	12	0	0	12	0	0	10	0	0
	CHLOROFORM	12	0	4	12	12	0	12	12	0	10	10	0
	111, TRICHLOROETHANE	12	0	3	12	0	3	12	0	4	10	0	0
	1,2 DICHLOROETHANE	12	0	0	12	0	0	12	0	0	10	0	0
	CARBON TETRACHLORIDE	12	0	0	12	0	1	12	0	1	10	0	1
	1,2 DICHLOROPROPANE	12	0	0	12	0	0	12	0	0	10	0	0
	TRICHLOROETHYLENE	12	0	0	12	0	0	12	0	0	10	0	0
	DICHLOROBROMOMETHANE	12	0	2	12	12	0	12	12	0	10	10	0
	112 TRICHLOROETHANE	12	0	0	12	0	0	12	0	0	10	0	0
	CHLORODIBROMOMETHANE	12	0	0	12	12	0	12	12	0	10	10	0
	T-CHLOROETHYLENE	12	0	3	12	0	2	12	0	4	10	0	1
	BROMOFORM	12	0	0	12	0	11	12	0	12	10	0	9
	1122 T-CHLOROETHANE	12	0	0	12	0	0	12	0	0	10	0	0
	CHLOROBENZENE	12	0	0	12	0	0	12	0	0	10	0	0
	1,4 DICHLOROBENZENE	12	0	1	12	0	0	12	0	5	10	0	7
	1,3 DICHLOROBENZENE	12	0	0	12	0	0	12	0	0	10	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM LAKEVIEW

SUMMARY TABLE OF RESULTS (1989)

		SITE											
		RAW			TREATED			SITE 2			SITE 3		
SCAN	PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
VOLATILES	1,2 DICHLOROBENZENE	12	0	1	12	0	0	12	0	1	10	0	0
	ETHLYENE DIBROMIDE	12	0	0	12	0	0	12	0	0	10	0	0
	TOTL TRIHALOMETHANES	12	0	2	12	12	0	12	12	0	10	10	0
*TOTAL SCAN VOLATILES		348	0	36	348	48	35	348	48	61	290	40	34
*TOTAL GROUP ORGANIC		1132	5	52	1135	58	46	834	48	70	691	40	40
TOTAL		1746	469	148	1781	478	185	2022	898	275	1681	755	210

KEY TO TABLE 5 and 6

A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
1. Maximum Acceptable Concentration (MAC)
1+. MAC for Total Trihalomethanes
1*. MAC for Bacteriological Analyses
Poor water quality is indicated when :
- total coliform counts > 0 < 5
- P/A Bottle Test is present after 48 hours
- Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
- Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
- Standard Plate Count should not exceed 500 organisms per ml at 35 ^{0}C within 48 hours

2. Interim Maximum Acceptable Concentration (IMAC)
3. Maximum Desirable Concentration (MDC)
4. Aesthetic or Recommended Operational Guideline
- hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.

B HEALTH & WELFARE CANADA (H&W)
1. Maximum Acceptable Concentration (MAC)
2. Proposed MAC
3. Interim MAC
4. Aesthetic Objective (AO) (for xylenes, a total)

C WORLD HEALTH ORGANIZATION (WHO)
1. Guideline Value (GV)
2. Tentative GV
3. Aesthetic GV

D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
1. Maximum Contaminant Level (MCL)
2. Suggested No-Adverse Effect Level (SNAEL)
3. Lifetime Health Advisory
4. EPA Ambient Water Quality Criteria
5. Maximum Contaminant Level Goal (MCLG)

F EUROPEAN ECONOMIC COMMUNITY (EEC)
1. Health Related Guideline Level
2. Aesthetic Guideline Level
3. Maximum Admissable Concentration (MADC)

G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE

H USSR MAXIMUM PERMISSIBLE CONCENTRATION

I NEW YORK STATE AMBIENT WATER GUIDELINE

N/A NONE AVAILABLE

INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:
1. Exclude the low-level data because of this uncertainty factor. However, studies of long-term environmental trends and modelling may be adversely affected by exclusion of such data.
2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported qualified by the code "<T". Results quantified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. However the average of such data is still only an estimate of the amount of substance present subject to the possible biases of the method used.

LABORATORY RESULTS, REMARK DESCRIPTIONS

.	No Sample Taken
BDL	Below Minimum Measurable Amount
<T	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!AW	No Data: Analysis Withdrawn
!CR	No Data: Could Not Confirm By Reanalysis
!CS	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IP	No Data: Insufficient Preservative
!IS	No Data: Insufficient Sample

!LA	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded
!NA	No Data: No Authorization To Perform Reanalysis
!NP	No Data: No Procedure
!NR	No Data: Sample Not Received
!OP	No Data: Obscured Plate
!QU	No Data: Quality Control Unacceptable
!PE	No Data: Procedural Error - Sample Discarded
!PH	No Data: Sample pH Outside Valid Range
!RE	No Data: Received Empty
!RO	No Data: See Attached Report (no numeric results)
!SM	No Data: Sample Missing
!SS	No Data: Send Separate Sample Properly Preserved
!UI	No Data: Indeterminant Interference
!TX	No Data: Time Expired
A3C	Approximate, Total Count Exceeded 300 Colonies
APL	Additional Peak, Large, Not Priority Pollutant
APS	Additional Peak, Less Than, Not Priority Pollutant
CIC	Possible Contamination, Improper Cap
CRO	Calculated Result Only
PPS	Test Performed On Preserved Sample
RMP	P and M-Xylene Not Separated
RRV	Rerun Verification
RVU	Reported Value Unusual
SPS	Several Peaks, Small, Not Priority Pollutant
UCR	Unreliable: Could Not Confirm By Reanalysis
UCS	Unreliable: Contamination Suspected
UIN	Unreliable: Indeterminant Interference
XP	Positive After X Number of Hours
T# (T06)	Result Taken After # Hours

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
BACTERIOLOGICAL						
FECAL COLIFORM MF (CT/100ML)			**DET'N LIMIT = 0**		**GUIDELINE = 0 (A1)**	
JAN	32 T06	.	.	.	.	.
FEB	2 T24	.	.	.	.	.
MAR	22 T06	.	.	.	.	.
APR	4 <=>	.	.	.	.	.
MAY	4	.	.	.	.	.
JUN	12	.	.	.	.	.
JUL	ILA	.	.	.	.	.
AUG	18	.	.	.	.	.
SEP	34	.	.	.	.	.
OCT	10	.	.	.	.	.
NOV	25	.	.	.	.	.
DEC	2	.	.	.	.	.
STANDRD PLATE CNT MF ( )			**DET'N LIMIT = 0**		**GUIDELINE = 500/ML (A1)**	
JAN	.	3 <=>	.	2 <=>	.	1 <=>
FEB	.	84 T24	.	12 T06	.	5 <=>
MAR	.	1 <=>	.	2 <=>	.	5 <=>
APR	.	7 <=>	.	2 <=>	.	3 <=>
MAY	.	0 <=>	.	0 <=>	.	.
JUN	.	0 <=>	.	1 <=>	.	3 <=>
JUL	.	3 <=>	.	0 <=>	.	3 <=>
AUG	.	0 <=>	.	0 <=>	.	2 <=>
SEP	.	0 <=>	.	6 <=>	.	.
OCT	.	0 <=>	.	1 <=>	.	29
NOV	.	8 <=>	.	1 <=>	.	0 <=>
DEC	.	1 <=>	.	0 <=>	.	7 <=>
TOTAL COLIFORM MF (CT/100ML)			**DET'N LIMIT = 0**		**GUIDELINE = 5/100ML(A1)**	
JAN	3900 A3C	0 T06	.	0 T06	.	0 T24
FEB	260 T24	0 T24	.	0 T06	.	0 T24
MAR	280 T06	0 T06	.	0 T24	.	0 T06
APR	130 T48	0 T48	.	0 T24	.	0 T24
MAY	200	2	.	0	.	.
JUN	230 A3C	0	.	0	.	0
JUL	190 A3C	0	.	0	.	0
AUG	270 A3C	0	.	0	.	0
SEP	250 A3C	0	.	0	.	.
OCT	80 <=>	0	.	0	.	0
NOV	800 <=>	0	.	0	.	0
DEC	190	0	.	0	.	0
T COLIFORM BCKGRD MF (CT/100ML)			**DET'N LIMIT = 0**		**GUIDELINE = N/A**	
JAN	44000 A3C	0 T06	.	0 T06	.	0 T24
FEB	2320 T24	0 T24	.	0 T06	.	0 T24
MAR	620 T06	0 T06	.	8 T24	.	0 T06

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	840 T48	0 T48	.	0 T24	.	0 T24
MAY	410	2	.	0	.	.
JUN	3500 A3C	5	.	0	.	0
JUL	7200 A3C	0	.	0	.	0
AUG	4200 A3C	0	.	0	.	0
SEP	3700 A3C	0	.	0	.	.
OCT	2100	0	.	0	.	1
NOV	35000 A3C	0	.	0	.	0
DEC	1350	1	.	3	.	0

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
CHEMISTRY (FLD)						
FLD CHLORINE (COMB) ( )			DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	.	1.000	.100	.400	.400	.800
FEB	.	.950	.100	.050	.200	.200
MAR	.	.850	.400	.700	.600	.800
APR	.	1.100	.100	.400	.600	.700
MAY	.	.950	.200	.700	.	.
JUN	.	.950	.400	.400	.500	.700
JUL	.	.700	.100	.500	.600	.400
AUG	.000	.950	.050	.400	.300	.300
SEP	.	.380	.000	.050	.	.
OCT	.	.900	.000	.000	.100	.300
NOV	.	.800	.100	.100	.200	.300
DEC	.	.900	.000	.100	.200	.300
FLD CHLORINE FREE ( )			DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	.	.050	.200	.100	.100	.100
FEB	.	.200	.100	.100	.100	.300
MAR	.	.100	.100	.100	.100	.100
APR	.	.100	.300	.100	.100	.100
MAY	.	.	.300	.100	.	.
JUN	.	.050	.300	.400	.100	.100
JUL	.	.100	.200	.100	.100	.500
AUG	.000	.050	.100	.100	.200	.400
SEP	.	.700	.100	.200	.	.
OCT	.	.200	.100	.100	.200	.300
NOV	.	.400	.000	.000	.300	.400
DEC	.	.100	.100	.100	.200	.200
FLD CHLORINE (TOTAL) ( )			DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	.	1.050	.300	.500	.500	.900
FEB	.	1.150	.200	.150	.300	.500
MAR	.	.950	.500	.800	.700	.900
APR	.	1.200	.400	.500	.700	.800
MAY	.	.950	.500	.800	.	.
JUN	.	1.000	.700	.800	.600	.800
JUL	.	.800	.300	.600	.700	.900
AUG	.000	1.000	.150	.500	.500	.700
SEP	.	1.080	.100	.250	.	.
OCT	.	1.100	.100	.100	.300	.600
NOV	.	1.200	.100	.100	.500	.700
DEC	.	1.000	.100	.200	.400	.500
FLD PH (DIMNSLESS)			DET'N LIMIT = N/A		GUIDELINE = 6.5-8.5(A4)	
JAN	7.700	7.200	7.400	7.400	7.400	7.400
FEB	7.830	7.220	7.400	7.400	7.400	7.200
MAR	8.160	7.010	7.400	7.500	7.400	7.400

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	8.030	7.100	7.400	7.400	7.400	7.400
MAY	8.000	7.900	7.500	7.500	.	.
JUN	8.100	7.200	7.400	7.300	7.400	7.400
JUL	7.900	7.200	7.400	7.500	7.600	7.400
AUG	7.900	7.300	7.500	7.600	7.400	7.400
SEP	8.130	7.290	7.400	7.400	.	.
OCT	7.800	7.200	7.300	7.300	7.400	7.400
NOV	7.500	7.230	7.300	7.400	7.600	7.600
DEC	7.500	7.330	7.300	7.300	7.600	7.600
FLD TEMPERATURE (DEG.C)			DET'N LIMIT = N/A		GUIDELINE = 15 (A1)	
JAN	5.000	3.500	14.000	6.500	14.000	9.000
FEB	5.000	6.000	16.000	5.500	13.000	6.000
MAR	3.000	3.000	15.000	5.000	13.000	5.000
APR	6.000	6.000	14.000	5.000	13.000	5.000
MAY	7.000	6.000	15.000	7.000	.	.
JUN	7.500	7.000	19.000	12.000	18.000	10.000
JUL	13.000	13.000	20.000	14.000	16.000	13.500
AUG	10.000	8.000	22.000	18.000	16.000	12.000
SEP	20.000	18.000	22.000	18.100	.	.
OCT	14.000	13.500	21.000	15.000	18.500	14.000
NOV	10.500	10.000	18.000	12.000	16.000	14.000
DEC	4.500	4.000	17.000	8.000	14.000	7.000
FLD TURBIDITY (FTU)			DET'N LIMIT = N/A		GUIDELINE = 1.0 (A1)	
JAN	10.000	.510	.720	1.200	.250	.370
FEB	2.600	.260	.300	.350	.360	.330
MAR	7.400	.270	.170	.270	.250	.350
APR	5.400	.450	.700	1.000	.480	.350
MAY	1.500	.350	.400	1.000	.	.
JUN	2.500	.240	.410	.470	.570	.540
JUL	1.800	.420	.580	.550	.420	.300
AUG	1.500	.280	.340	.300	.350	.250
SEP	3.300	.210	.270	.200	.	.
OCT	3.500	.210	.390	.570	.310	.330
NOV	3.400	.200	.220	.300	.260	.380
DEC	3.500	.220	1.700	.230	.300	.350

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
CHEMISTRY (LAB)						
ALKALINITY (MG/L) DET'N LIMIT = .200 GUIDELINE = 30-500 (A4)						
JAN	106.700	94.500	96.100	96.500	94.700	94.300
FEB	106.200	94.800	95.200	96.700	96.500	95.800
MAR	103.400	89.700	90.300	91.500	92.900	94.000
APR	104.000	90.200	89.700	90.700	90.600	90.800
MAY	101.600	91.500	93.100	94.200	.	.
JUN	100.800	91.200	93.300	93.300	93.200	94.500
JUL	100.400	93.100	91.600	93.300	93.100	93.000
AUG	101.800	94.000	93.600	92.800	94.700	95.000
SEP	96.300	86.400	87.000	88.300	.	.
OCT	102.800	89.500	92.400	92.600	96.800	92.900
NOV	101.600	93.600	96.500	97.200	96.600	97.000
DEC	104.300	98.500	98.600	98.300	98.900	98.900
CALCIUM (MG/L) DET'N LIMIT = .100 GUIDELINE = 100 (F2)						
JAN	44.400	44.800	43.000	36.800	42.000	42.800
FEB	41.800	42.000	40.000	40.400	40.400	39.200
MAR	40.800	41.200	40.600	40.800	41.600	40.800
APR	43.400	43.400	43.800	41.600	42.600	42.800
MAY	40.400	40.800	42.000	42.600	.	.
JUN	39.400	40.200	41.600	42.800	39.400	40.200
JUL	42.600	42.000	41.600	43.200	42.400	42.200
AUG	39.800	40.600	39.400	38.800	40.000	40.000
SEP	36.800	38.000	39.400	37.200	.	.
OCT	39.000	39.000	40.400	41.200	40.400	40.800
NOV	39.600	40.000	39.600	40.000	38.800	39.900
DEC	42.900	44.500	45.300	43.000	44.600	44.600
CHLORIDE (MG/L) DET'N LIMIT = .200 GUIDELINE = 250 (A3)						
JAN	32.500	35.200	33.500	33.100	31.200	31.200
FEB	28.400	32.200	31.100	31.100	30.500	30.400
MAR	33.700	38.200	35.400	35.100	33.500	36.300
APR	33.100	35.700	32.300	34.200	31.800	31.600
MAY	28.600	31.800	31.200	30.800	.	.
JUN	23.600	26.200	26.700	26.600	27.300	26.400
JUL	24.200	26.100	26.300	25.900	26.000	25.800
AUG	22.900	25.500	25.200	24.700	25.400	25.300
SEP	22.500	25.300	25.700	25.300	.	.
OCT	23.300	25.200	25.300	25.300	25.100	25.200
NOV	22.900	26.500	25.100	25.300	25.100	25.100
DEC	25.200	27.300	27.100	26.400	27.100	26.800
COLOUR (HZU) DET'N LIMIT = .5 GUIDELINE = 5.0 (A3)						
JAN	3.000	1.000 <T	1.000 <T	1.000 <T	1.000 <T	.500 <T
FEB	2.000 <T	.500 <T	1.000 <T	.500 <T	.500 <T	.500 <T
MAR	2.000 <T	.500 <T	.500 <T	BDL	.500 <T	1.000 <T

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	4.000	1.000 <T	1.500 <T	1.000 <T	1.000 <T	.500 <T
MAY	2.500	.500 <T	1.000 <T	1.000 <T	.	.
JUN	2.000 <T	1.000 <T	1.000 <T	1.000 <T	1.000 <T	1.000 <T
JUL	3.000	1.000 <T	1.000 <T	1.000 <T	1.000 <T	1.000 <T
AUG	1.000 <T	.500 <T	1.500 <T	1.500 <T	1.000 <T	1.000 <T
SEP	2.000 <T	1.000 <T	1.000 <T	.500 <T	.	.
OCT	2.500	1.000 <T	1.000 <T	1.000 <T	1.000 <T	1.000 <T
NOV	2.000 <T	.500 <T	1.000 <T	1.000 <T	1.000 <T	1.000 <T
DEC	2.500	1.000 <T	1.500 <T	.500 <T	1.000 <T	1.000 <T
CONDUCTIVITY (UMHO/CM)			DET'N LIMIT = 1		GUIDELINE = 400 (F2)	
JAN	370	377	373	374	357	357
FEB	354	364	356	361	357	356
MAR	369	382	369	369	371	378
APR	373	381	366	374	364	363
MAY	357	362	353	355	.	.
JUN	329	338	339	339	340	339
JUL	331	335	331	335	335	334
AUG	325	332	329	326	331	332
SEP	315	321	319	321	.	.
OCT	334	326	333	334	342	333
NOV	325	333	334	335	335	336
DEC	345	349	346	343	352	351
FLUORIDE (MG/L)			DET'N LIMIT = .01		GUIDELINE = 2.400 (A1)	
JAN	.120	.680	.700	.740	.740	.740
FEB	.160	.960	.940	.980	.980	.980
MAR	.200	.040 <T	.060	.920	.060	.060
APR	.120	.980	1.060	1.040	1.000	.980
MAY	.140	1.140	1.020	1.000	.	.
JUN	.120	1.100	1.020	1.020	1.020	1.020
JUL	.140	.860	.840	.860	.840	.860
AUG	.120	1.020	.880	.960	1.000	1.000
SEP	.140	.980	.940	1.020	.	.
OCT	.140	1.040	.940	.940	1.000	.960
NOV	.120	.120	.300	.280	.420	.440
DEC	.140	.120	.320	.300	.440	.460
HARDNESS (MG/L)			DET'N LIMIT = .500		GUIDELINE = 80-100 (A4)	
JAN	148.000	149.000	143.000	128.000	139.000	143.000
FEB	139.000	142.000	137.000	137.000	139.000	134.000
MAR	135.000	137.000	134.000	134.000	140.000	138.000
APR	148.000	148.000	145.000	139.000	144.000	144.000
MAY	137.000	137.000	142.000	143.000	.	.
JUN	134.000	135.000	139.000	142.000	135.000	138.000
JUL	142.000	140.000	138.000	143.000	142.000	141.000
AUG	132.000	134.000	131.000	130.000	133.000	134.000

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	126.000	129.000	134.000	127.000	.	.
OCT	132.000	132.000	136.000	138.000	136.000	137.000
NOV	134.000	135.000	133.000	135.000	132.000	134.000
DEC	142.600	146.900	148.400	143.500	146.800	146.800
IONCAL (DMNSLESS)			DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	2.379	4.168	2.274	6.400	.412	2.348
FEB	1.547	1.123	1.552	2.622	1.601	4.260
MAR	2.115	.600	.652	1.015	.811	1.212
APR	4.248	5.422	8.577	4.049	6.300	6.167
MAY	.388	.397	3.173	3.584	.	.
JUN	1.424	.359	2.578	4.846	.316	1.679
JUL	4.600	3.802	5.161	5.749	5.155	5.163
AUG	2.077	.038	.138	.288	.504	.620
SEP	3.416	.356	3.621	1.961	.	.
OCT	2.998	1.159	.878	1.249	.700	2.727
NOV	1.375	1.596	2.989	2.552	3.561	1.021
DEC	.716	3.208	4.387	1.169	3.142	3.391
LANGELIERS INDEX (DMNSLESS)			DET'N LIMIT = N/A		GUIDELINE = N/A	
JAN	.567	.458	.418	.272	.343	.439
FEB	.401	.053	.154	.155	.074	.108
MAR	.457	.218	.126	.164	.269	.255
APR	.456	.313	.336	.378	.229	.222
MAY	.446	.415	.566	.527	.	.
JUN	.505	.279	.304	.346	.300	.235
JUL	.197	.067	.067	.181	.112	.119
AUG	.464	.417	.483	.453	.444	.445
SEP	.367	.243	.262	.233	.	.
OCT	.518	-.091	.248	.387	.457	.424
NOV	.461	.179	.428	.475	.299	.493
DEC	.545	.376	.494	.510	.468	.468
MAGNESIUM (MG/L)			DET'N LIMIT = .050		GUIDELINE = 30 (F2)	
JAN	9.000	9.000	8.600	8.800	8.400	8.700
FEB	8.400	9.000	8.900	8.700	9.100	8.800
MAR	8.100	8.300	7.800	7.800	8.700	8.700
APR	9.600	9.600	8.600	8.600	9.200	9.100
MAY	8.800	8.600	9.100	8.900	.	.
JUN	8.500	8.400	8.600	8.500	8.900	9.100
JUL	8.700	8.500	8.400	8.500	8.700	8.600
AUG	8.100	8.000	8.000	8.000	8.200	8.200
SEP	8.200	8.300	8.600	8.300	.	.
OCT	8.500	8.500	8.500	8.500	8.600	8.500
NOV	8.500	8.500	8.400	8.500	8.400	8.500
DEC	8.600	8.700	8.600	8.800	8.600	8.600

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	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SODIUM (MG/L)			DET'N LIMIT = .200		GUIDELINE = 200 (C3)	
JAN	17.600	17.800	17.400	17.400	15.000	15.000
FEB	15.600	16.000	15.400	15.400	14.600	14.200
MAR	18.800	19.600	18.400	18.200	17.400	18.800
APR	18.000	18.400	18.200	19.200	16.800	16.600
MAY	15.000	14.800	14.800	15.200	.	.
JUN	12.600	12.600	13.200	13.600	13.600	13.400
JUL	13.200	13.200	13.600	13.200	13.200	13.400
AUG	12.000	12.200	13.000	12.800	12.400	12.400
SEP	12.000	12.400	13.000	12.600	.	.
OCT	12.200	12.000	12.200	12.000	12.800	12.600
NOV	12.500	12.600	12.800	12.700	12.900	13.000
DEC	13.900	13.600	13.900	13.100	14.100	13.700
AMMONIUM TOTAL (MG/L)			DET'N LIMIT = 0.002		GUIDELINE = .05 (F2)	
JAN	.018	.094	.062	.058	.048	.064
FEB	.092	.044	.024	.012	.034	.016
MAR	.172	.176	.084	.074	.102	.038
APR	.068	.212	.138	.142	.126	.120
MAY	.188	.236	.152	.160	.	.
JUN	.016	.196	.130	.122	.078	.084
JUL	.058	.156	.104	.108	.062	.062
AUG	.022	.206	.086	.090	.064	.078
SEP	.034	.002 <T	.016	.006 <T	.	.
OCT	BDL	.136	.002 <T	BDL	.026	.010
NOV	BDL	BDL	.096	.062	BDL	BDL
DEC	.060	.146	.020	BDL	.008 <T	.004 <T
NITRITE (MG/L)			DET'N LIMIT = 0.001		GUIDELINE = 1.000 (A1)	
JAN	.049	.002 <T	.006	.002 <T	.006	.004 <T
FEB	.007	.002 <T	.006	.002 <T	.004 <T	.002 <T
MAR	.008	.001 <T	.005	.003 <T	.002 <T	BDL
APR	.017	.001 <T	.004 <T	.003 <T	.003 <T	.001 <T
MAY	.008	.001 <T	.006	.003 <T	.	.
JUN	.004 <T	.001 <T	.003 <T	.003 <T	.009	.004 <T
JUL	.017	.004 <T	.007	.001 <T	.003 <T	.001 <T
AUG	.008	.001 <T	.006	.002 <T	BDL	BDL
SEP	.016	.003 <T	.002 <T	.002 <T	.	.
OCT	.003 <T	.001 <T	.002 <T	.001 <T	.001 <T	BDL
NOV	.001 <T	BDL	.011	.008	BDL	BDL
DEC	.007	.002 <T	.002 <T	.001 <T	.001 <T	.001 <T
TOTAL NITRATES (MG/L)			DET'N LIMIT = .020		GUIDELINE = 10.000 (A1)	
JAN	.525	.495	.490	.490	.450	.455
FEB	.465	.475	.505	.505	.455	.460
MAR	.405	.410	.425	.415	.410	.405
APR	.475	.480	.455	.470	.430	.425

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	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	.375	.375	.400	.395	.	.
JUN	.370	.370	.360	.365	.385	.365
JUL	.395	.370	.380	.365	.360	.360
AUG	.395	.410	.300	.255	.400	.405
SEP	.190	.235	.265	.240	.	.
OCT	.335	.305	.405	.415	.360	.375
NOV	.360	.360	.590	.510	.355	.050
DEC	.445	.445	.430	.410	.430	.435
NITROGEN TOT KJELD (MG/L)			DET'N LIMIT = .020		GUIDELINE = N/A	
JAN	.350	.260	.260	.230	.330	.230
FEB	.320	.230	.230	.190	.230	.200
MAR	.430	.310	.300	.280	.320	.230
APR	.400	.410	.350	.350	.340	.310
MAY	.590	.490	.390	.370	.	.
JUN	.300	.370	.310	.270	.280	.240
JUL	.350	.350	.310	.310	.240	.250
AUG	.280	.360	.070 <T	.060 <T	.240	.250
SEP	.340	.200	.280	.190	.	.
OCT	.240	.270	.170	.150	.260	.210
NOV	.270	.170	.150	.140	.140	.140
DEC	.470	.270	.320	.210	.200	.200
PH (DIMNSLESS)			DET'N LIMIT = N/A		GUIDELINE = 6.5-8.5(A4)	
JAN	8.340	8.280	8.250	8.170	8.190	8.280
FEB	8.200	7.900	8.020	8.010	7.930	7.980
MAR	8.280	8.100	8.010	8.040	8.130	8.120
APR	8.250	8.170	8.190	8.250	8.090	8.080
MAY	8.280	8.290	8.420	8.370	.	.
JUN	8.350	8.160	8.160	8.190	8.180	8.100
JUL	8.010	7.920	7.930	8.020	7.960	7.970
AUG	8.300	8.280	8.360	8.340	8.310	8.310
SEP	8.260	8.170	8.170	8.160	.	.
OCT	8.360	7.810	8.120	8.250	8.310	8.290
NOV	8.300	8.050	8.290	8.330	8.170	8.350
DEC	8.340	8.180	8.290	8.330	8.270	8.270
PHOSPHORUS FIL REACT (MG/L)			DET'N LIMIT = .0005		GUIDELINE = N/A	
JAN	.003	.001 <T	.	.	.	.
FEB	BDL	BDL	.	.	.	.
MAR	.011	.000 <T	.	.	.	.
APR	.003	.001 <T	.	.	.	.
MAY	.000 <T	.001 <T	.	.	.	.
JUN	.001 <T	BDL	.	.	.	.
JUL	BDL	BDL	.	.	.	.
AUG	.001 <T	.002 <T	.	.	.	.
SEP	.002 <T	.000 <T	.	.	.	.

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
OCT	.003	.003	.	.	.	.
NOV	BDL	BDL	.	.	.	.
DEC	.001 <T	BDL	.	.	.	.
PHOSPHORUS TOTAL (MG/L)			DET'N LIMIT = .002		GUIDELINE = .40 (F2)	
JAN	.020	.004 <T	.	.	.	.
FEB	.018	.006 <T	.	.	.	.
MAR	.034	.003 <T	.	.	.	.
APR	.022	.004 <T	.	.	.	.
MAY	.017	.007 <T	.	.	.	.
JUN	.012	.003 <T	.	.	.	.
JUL	.017	.005 <T	.	.	.	.
AUG	.017	.009 <T	.	.	.	.
SEP	.020	.005 <T	.	.	.	.
OCT	.014	.002 <T	.	.	.	.
NOV	.018	.003 <T	.	.	.	.
DEC	.024	.003 <T	.	.	.	.
SULPHATE (MG/L)			DET'N LIMIT = .200		GUIDELINE = 500. (A3)	
JAN	26.320	33.060	30.370	30.530	29.910	30.230
FEB	26.790	31.650	30.350	30.990	30.490	30.450
MAR	26.880	34.830	31.820	31.740	33.400	32.810
APR	26.100	35.160	31.960	32.430	32.110	32.080
MAY	26.590	30.580	29.780	30.110	.	.
JUN	26.510	31.620	30.630	30.470	29.960	30.170
JUL	26.490	30.400	28.850	30.170	29.910	29.830
AUG	25.540	28.800	28.180	28.590	28.480	28.470
SEP	27.130	32.250	30.900	31.300	.	.
OCT	25.640	29.740	30.150	30.810	28.310	28.870
NOV	26.880	31.250	31.080	30.780	30.590	30.600
DEC	29.000	31.550	31.340	31.680	31.980	31.150
TURBIDITY (FTU)			DET'N LIMIT = .02		GUIDELINE = 1.00 (A1)	
JAN	9.500	.650	.560	.310	.400	.460
FEB	3.900	.650	.440	.260	.530	.510
MAR	8.400	.480	.950	.950	.660	.580
APR	7.800	.350	.740	.760	.540	.350
MAY	1.700	.450	.490	.340	.	.
JUN	3.100	.380	.300	.550	.390	.300
JUL	1.890	.370	.500	.490	.340	.230
AUG	1.530	.280	.780	.800	.560	.770
SEP	5.100	.530	.160 <T	.130 <T	.	.
OCT	3.400	.240 <T	.620	.420	.500	.230 <T
NOV	4.400	.200	.240	.290	.190	.240
DEC	4.400	.310	3.600	.610	.260	.400

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
METALS						
SILVER (UG/L)				DET'N LIMIT = .020	GUIDELINE = 50. (A1)	
JAN	.050 <T	.120 <T	.040 <T	.050 <T	BDL	.040 <T
FEB	.030 <T	.070 <T	BDL	BDL	.050 <T	BDL
MAR	.030 <T	.040 <T	.070 <T	.090 <T	.110 <T	.090 <T
APR	.050 <T	.080 <T	.060 <T	.040 <T	.050 <T	.070 <T
MAY	.050 <T	.070 <T	BDL	BDL	.	.
JUN	.090 <T	.050 <T	.040 <T	.050 <T	.030 <T	.130 <T
JUL	BDL	.030 <T	.050 <T	.050 <T	.120 <T	.040 <T
AUG	BDL	.070 <T	BDL	BDL	.050 <T	.060 <T
SEP	.060 <T	.050 <T	BDL	BDL	.	.
OCT	BDL	BDL	BDL	BDL	BDL	BDL
NOV	BDL	BDL	BDL	BDL	BDL	BDL
DEC	BDL	BDL	BDL	BDL	BDL	BDL
ALUMINUM (UG/L)				DET'N LIMIT = .050	GUIDELINE = 100.(A4)	
JAN	98.600	104.400	61.480	64.960	63.800	67.280
FEB	83.520	83.520	61.480	74.240	66.120	69.600
MAR	74.240	51.040	42.920	44.080	52.200	53.360
APR	105.560	80.040	63.800	68.440	80.040	75.400
MAY	17.400	104.400	105.560	103.240	.	.
JUN	29.000	83.000	100.000	100.000	120.000	110.000
JUL	39.000	110.000	150.000	120.000	130.000	130.000
AUG	14.000	100.000	140.000	180.000	92.000	87.000
SEP	26.000	110.000	110.000	130.000	.	.
OCT	67.000	80.000	66.000	62.000	97.000	75.000
NOV	46.000	58.000	63.000	63.000	76.000	79.000
DEC	63.000	67.000	260.000	56.000	67.000	66.000
ARSENIC (UG/L)				DET'N LIMIT = 0.050	GUIDELINE = 50.0 (A1)	
JAN	1.100	.530 <T	.660 <T	.490 <T	.440 <T	.770 <T
FEB	.810 <T	.490 <T	.320 <T	.490 <T	.280 <T	.420 <T
MAR	1.500	.900 <T	.310 <T	.300 <T	.870 <T	.860 <T
APR	1.300	.240 <T	.550 <T	.530 <T	.660 <T	.540 <T
MAY	1.300	1.100	1.100	1.000 <T	.	.
JUN	1.700	.950 <T	.870 <T	.960 <T	1.400	1.200
JUL	1.400	.870 <T	1.100	1.000 <T	1.000 <T	1.300
AUG	1.200	1.400	1.300	1.300	1.300	1.400
SEP	1.800	1.400	1.100	1.200	.	.
OCT	1.200	.580 <T	.420 <T	.470 <T	.650 <T	.660 <T
NOV	.830 <T	.300 <T	.290 <T	.400 <T	.430 <T	.480 <T
DEC	.750 <T	.540 <T	.680 <T	.390 <T	.470 <T	.450 <T
BARIUM (UG/L)				DET'N LIMIT = 0.020	GUIDELINE = 1000. (A1)	
JAN	27.000	24.000	24.000	25.000	23.000	24.000
FEB	25.000	24.000	22.000	24.000	23.000	23.000
MAR	26.000	23.000	23.000	22.000	24.000	24.000

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	25.000	24.000	23.000	23.000	23.000	23.000
MAY	25.000	24.000	22.000	22.000	.	.
JUN	25.000	24.000	23.000	23.000	25.000	24.000
JUL	23.000	23.000	22.000	22.000	23.000	23.000
AUG	23.000	23.000	24.000	24.000	23.000	23.000
SEP	23.000	22.000	23.000	24.000	.	.
OCT	23.000	23.000	22.000	22.000	23.000	23.000
NOV	23.000	23.000	22.000	22.000	23.000	22.000
DEC	24.000	23.000	23.000	23.000	23.000	23.000
BORON (UG/L)				DET'N LIMIT = 0.200 GUIDELINE = 5000. (A1)		
JAN	35.000	31.000	31.000	30.000	36.000	37.000
FEB	24.000	23.000	27.000	26.000	24.000	26.000
MAR	32.000	26.000	32.000	28.000	35.000	35.000
APR	190.000	130.000	30.000	31.000	330.000	180.000
MAY	49.000	37.000	180.000	32.000	.	.
JUN	31.000	30.000	31.000	31.000	40.000	33.000
JUL	35.000	30.000	28.000	30.000	31.000	34.000
AUG	29.000	66.000	53.000	41.000	71.000	71.000
SEP	45.000	37.000	37.000	51.000	.	.
OCT	34.000	27.000	27.000	27.000	28.000	30.000
NOV	26.000	25.000	25.000	25.000	25.000	26.000
DEC	27.000	27.000	27.000	26.000	32.000	28.000
BERYLLIUM (UG/L)				DET'N LIMIT = 0.010 GUIDELINE = N/A		
JAN	.040 <T	.040 <T	BDL	BDL	BDL	.060 <T
FEB	BDL	BDL	.060 <T	.020 <T	BDL	BDL
MAR	BDL	BDL	.020 <T	.040 <T	.080 <T	.030 <T
APR	.100 <T	.120 <T	BDL	BDL	.390 <T	.210 <T
MAY	.250 <T	BDL	BDL	BDL	.	.
JUN	.050 <T	.060 <T	.060 <T	.030 <T	.070 <T	.020 <T
JUL	.100 <T	.040 <T	.040 <T	.020 <T	.060 <T	.040 <T
AUG	.030 <T	BDL	BDL	BDL	.080 <T	.070 <T
SEP	.030 <T	.020 <T	.020 <T	.100 <T	.	.
OCT	.030 <T	BDL	BDL	BDL	BDL	BDL
NOV	.020 <T	.020 <T	.030 <T	BDL	.030 <T	BDL
DEC	BDL	BDL	BDL	BDL	BDL	.030 <T
CADMIUM (UG/L)				DET'N LIMIT = 0.050 GUIDELINE = 5.000 (A1)		
JAN	.070 <T	BDL	BDL	BDL	BDL	BDL
FEB	BDL	.070 <T	BDL	BDL	BDL	.090 <T
MAR	.340 <T	.280 <T	BDL	BDL	.210 <T	.130 <T
APR	.070 <T	.070 <T	.140 <T	.210 <T	BDL	BDL
MAY	.080 <T	BDL	.100 <T	BDL	.	.
JUN	.150 <T	BDL	.070 <T	.120 <T	.100 <T	.070 <T
JUL	BDL	BDL	BDL	BDL	.060 <T	BDL
AUG	BDL	BDL	BDL	BDL	BDL	BDL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BDL	BDL	.100 <T	BDL	.	.
OCT	BDL	BDL	BDL	BDL	BDL	BDL
NOV	BDL	BDL	BDL	BDL	BDL	BDL
DEC	BDL	.070 <T	.070 <T	BDL	.060 <T	BDL
COBALT (UG/L)				DET'N LIMIT = 0.020 GUIDELINE = N/A		
JAN	.180 <T	.080 <T	.160 <T	.140 <T	.130 <T	.090 <T
FEB	.150 <T	.070 <T	.050 <T	.040 <T	.100 <T	.030 <T
MAR	.130 <T	.080 <T	.070 <T	.060 <T	.150 <T	.170 <T
APR	.150 <T	.090 <T	.050 <T	.130 <T	BDL	.030 <T
MAY	.160 <T	.220 <T	.160 <T	.140 <T	.	.
JUN	BDL	BDL	BDL	BDL	BDL	BDL
JUL	.210 <T	.130 <T	.200 <T	.140 <T	.220 <T	.210 <T
AUG	.110 <T	.140 <T	.110 <T	.110 <T	.120 <T	.130 <T
SEP	.090 <T	.080 <T	.150 <T	.110 <T	.	.
OCT	.100 <T	.050 <T	.060 <T	.050 <T	.040 <T	BDL
NOV	.180 <T	.120 <T	.110 <T	.150 <T	.110 <T	.170 <T
DEC	.180 <T	.120 <T	.070 <T	.070 <T	.100 <T	.090 <T
CHROMIUM (UG/L)				DET'N LIMIT = 0.100 GUIDELINE = 50. (A1)		
JAN	2.600	1.200	.770 <T	.510 <T	2.200	1.800
FEB	.200 <T	BDL	.480 <T	.550 <T	.180 <T	.740 <T
MAR	1.900	.660 <T	1.400	1.200	1.200	1.400
APR	5.000	3.400	.660 <T	.590 <T	8.900	5.000
MAY	1.500	.660 <T	7.200	.880 <T	.	.
JUN	1.600	1.300	1.300	1.300	4.900	2.100
JUL	3.100	1.300	.940 <T	1.300	1.800	2.400
AUG	.610 <T	6.300	5.000	3.300	7.100	7.000
SEP	4.300	2.700	1.700	5.000	.	.
OCT	4.000	.690 <T	.620 <T	.540 <T	.840 <T	2.100
NOV	.590 <T	.540 <T	.650 <T	.620 <T	.590 <T	.650 <T
DEC	5.700	5.000	2.000	1.100	2.300	2.500
COPPER (UG/L)				DET'N LIMIT = .100 GUIDELINE = 1000 (A3)		
JAN	36.000	2.700	44.000	14.000	18.000	3.600
FEB	230.000	3.200	110.000	14.000	22.000	4.100
MAR	31.000	4.400	78.000	13.000	37.000	3.600
APR	35.000	3.700	97.000	18.000	17.000	3.300
MAY	30.000	4.000	40.000	30.000	.	.
JUN	51.000	3.800	23.000	29.000	48.000	5.200
JUL	43.000	4.000	46.000	11.000	11.000	2.900
AUG	45.000	3.300	35.000	7.900	6.000	1.800
SEP	37.000	3.400	53.000	12.000	.	.
OCT	61.000	3.300	33.000	14.000	15.000	2.500
NOV	21.000	2.400	26.000	14.000	23.000	3.000
DEC	42.000	2.200	24.000	11.000	17.000	2.600

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
IRON (UG/L)				DET'N LIMIT = 4.000 GUIDELINE = 300. (A3)		
JAN	170.000	33.000 <T	11.000 <T	13.000 <T	12.000 <T	16.000 <T
FEB	100.000	13.000 <T	12.000 <T	13.000 <T	12.000 <T	9.600 <T
MAR	130.000	8.000 <T	BDL	7.700 <T	7.100 <T	14.000 <T
APR	100.000	BDL	BDL	6.300 <T	BDL	BDL
MAY	48.000 <T	22.000 <T	BDL	BDL	.	.
JUN	49.000 <T	9.800 <T	13.000 <T	11.000 <T	9.400 <T	12.000 <T
JUL	48.000 <T	6.400 <T	16.000 <T	8.900 <T	7.100 <T	6.000 <T
AUG	26.000 <T	BDL	BDL	BDL	BDL	BDL
SEP	36.000 <T	BDL	6.400 <T	BDL	.	.
OCT	97.000	7.100 <T	6.200 <T	5.500 <T	11.000 <T	BDL
NOV	100.000	BDL	BDL	BDL	BDL	5.600 <T
DEC	100.000	BDL	83.000	BDL	BDL	BDL
MERCURY (UG/L)				DET'N LIMIT = 0.010 GUIDELINE = 1.000 (A1)		
JAN	.050 <T	.070	.	.070	.	.080
FEB	.040 <T	.070	.	.090	.	.160
MAR	.060	.110	.	.150	.	.090
APR	.100	.100	.	.020 <T	.	.180
MAY	BDL	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	.020 <T	.030 <T	.	.020 <T	.	.030 <T
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	.020 <T
DEC	BDL	.030 <T	.	.030 <T	.	.020 <T
MANGANESE (UG/L)				DET'N LIMIT = .050 GUIDELINE = 50.0 (A3)		
JAN	12.000	1.400	.830	.900	.810	.860
FEB	7.500	1.200	1.200	1.100	1.100	.870
MAR	10.000	1.400	.780	.990	1.100	.900
APR	10.000	1.400	.970	1.200	.960	.820
MAY	4.900	1.200	1.200	1.100	.	.
JUN	4.100	.250 <T	.520	.470 <T	.990	.380 <T
JUL	6.500	1.100	1.500	1.300	1.700	1.100
AUG	3.400	1.400	1.300	1.100	1.100	.890
SEP	5.300	.480 <T	.910	.500 <T	.	.
OCT	6.600	.550	.560	.480 <T	1.600	.530
NOV	6.900	.400 <T	.440 <T	.450 <T	.670	.450 <T
DEC	8.300	.710	3.200	.600	.720	.560
MOLYBDENUM (UG/L)				DET'N LIMIT = 0.020 GUIDELINE = N/A		
JAN	.940	1.200	1.300	1.200	1.100	1.300
FEB	1.200	1.200	1.300	1.300	1.300	1.200
MAR	1.200	1.400	1.500	1.400	1.500	1.400
APR	1.500	1.600	1.400	1.500	1.400	1.400

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	1.400	1.500	1.300	1.500	.	.
JUN	1.500	1.700	1.900	1.700	1.800	1.900
JUL	1.700	1.600	1.600	1.600	1.500	1.600
AUG	1.400	1.400	1.400	1.500	1.400	1.400
SEP	1.500	1.500	1.500	1.500	.	.
OCT	1.100	1.200	1.200	1.200	1.200	1.300
NOV	.910	1.300	1.100	1.200	1.200	1.000
DEC	.960	1.200	1.100	1.200	1.200	1.200
NICKEL (UG/L)			DET'N LIMIT = 0.100 GUIDELINE = 50. (F3)			
JAN	1.900 <T	1.600 <T	2.500	2.200	1.800 <T	2.100
FEB	.670 <T	.650 <T	1.800 <T	.380 <T	.650 <T	.760 <T
MAR	.190 <T	.290 <T	.110 <T	1.300 <T	1.600 <T	1.100 <T
APR	1.200 <T	.960 <T	1.200 <T	1.300 <T	.570 <T	.920 <T
MAY	2.400	2.400	1.700 <T	1.900 <T	.	.
JUN	.460 <T	.240 <T	.480 <T	.200 <T	.560 <T	.480 <T
JUL	1.500 <T	1.600 <T	2.200	1.400 <T	14.000	3.100
AUG	2.300	2.200	1.400 <T	1.400 <T	1.900 <T	2.000 <T
SEP	1.200 <T	1.100 <T	2.200	1.300 <T	.	.
OCT	.730 <T	.570 <T	.730 <T	.590 <T	2.000 <T	.610 <T
NOV	1.600 <T	1.300 <T	1.300 <T	1.800 <T	2.100	1.500 <T
DEC	2.000 <T	1.800 <T	1.900 <T	1.000 <T	2.000 <T	1.800 <T
LEAD (UG/L)			DET'N LIMIT = 0.050 GUIDELINE = 50. (A1)			
JAN	1.100	.190 <T	1.900	.570	2.300	.240
FEB	1.000	.190 <T	3.500	.350	2.400	.240
MAR	1.800	.270	2.300	.730	3.100	.460
APR	.800	.070 <T	2.100	.740	2.400	.500
MAY	.580	.390	2.600	1.100	.	.
JUN	.370	.170 <T	.940	1.400	4.300	.530
JUL	.520	.260	2.200	.730	1.800	.280
AUG	.460	.190 <T	2.200	.720	1.000	.210
SEP	.980	.300	2.900	.970	.	.
OCT	.830	BDL	2.500	.430	1.700	.240
NOV	.800	.080 <T	2.100	.730	2.100	.320
DEC	.990	.090 <T	1.500	.580	1.800	.210
ANTIMONY (UG/L)			DET'N LIMIT = .050 GUIDELINE = 146. (D4)			
JAN	.510	.480	.490	.550	.410	.480
FEB	.430	.540	.560	.640	.520	.450
MAR	.610	.730	.700	.650	.580	.760
APR	.800	.710	.720	.790	.770	.770
MAY	.850	.890	.880	.770	.	.
JUN	.990	.930	.980	1.000	1.000	1.000
JUL	.860	.950	1.000	.820	.880	.800
AUG	.760	.710	.950	.780	.740	.740
SEP	.930	.840	.820	.790	.	.

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DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
OCT	.440	.490	.500	.530	.530	.480
NOV	.450	.490	.510	.640	.520	.480
DEC	.510	.650	.540	.620	.620	.620
SELENIUM (UG/L)			DET'N LIMIT = 0.200 GUIDELINE = 10. (A1)			
JAN	.660 <T	.430 <T	1.500 <T	1.300 <T	2.500 <T	2.000 <T
FEB	.800 <T	1.300 <T	2.100 <T	1.500 <T	1.900 <T	1.500 <T
MAR	3.800 <T	3.600 <T	5.000 <T	4.300 <T	4.900 <T	5.800 <T
APR	.990 <T	.520 <T	4.800 <T	6.500 <T	3.600 <T	3.100 <T
MAY	3.200 <T	2.200 <T	2.100 <T	3.200 <T	.	.
JUN	1.200 <T	3.400 <T	4.900 <T	6.700 <T	5.100 <T	3.200 <T
JUL	1.400 <T	2.500 <T	1.600 <T	2.000 <T	2.700 <T	4.400 <T
AUG	1.300 <T	1.300 <T	4.000 <T	3.900 <T	4.000 <T	3.700 <T
SEP	3.100 <T	6.100	2.700 <T	3.100 <T	.	.
OCT	BDL	BDL	BDL	BDL	1.100 <T	BDL
NOV	BDL	BDL	BDL	BDL	BDL	BDL
DEC	1.100 <T	1.400 <T	BDL	BDL	BDL	1.300 <T
STRONTIUM (UG/L)			DET'N LIMIT = .050 GUIDELINE = N/A			
JAN	180.000	180.000	180.000	190.000	170.000	190.000
FEB	170.000	170.000	180.000	170.000	170.000	170.000
MAR	180.000	180.000	180.000	180.000	180.000	180.000
APR	180.000	180.000	190.000	180.000	170.000	170.000
MAY	190.000	190.000	180.000	180.000	.	.
JUN	180.000	180.000	190.000	190.000	190.000	180.000
JUL	170.000	170.000	160.000	160.000	170.000	170.000
AUG	170.000	170.000	180.000	190.000	170.000	170.000
SEP	170.000	170.000	170.000	180.000	.	.
OCT	180.000	170.000	180.000	170.000	170.000	180.000
NOV	180.000	180.000	180.000	180.000	180.000	180.000
DEC	180.000	180.000	180.000	180.000	180.000	180.000
TITANIUM (UG/L)			DET'N LIMIT = .050 GUIDELINE = N/A			
JAN	4.600	3.800	3.400	3.500	3.900	3.900
FEB	5.600	3.100	3.600	3.300	2.800	3.100
MAR	7.100	4.400	4.800	5.200	4.700	4.400
APR	13.000	10.000	7.000	7.000	11.000	9.600
MAY	4.300	3.900	5.600	5.700	.	.
JUN	6.400	7.600	6.600	7.100	6.800	6.800
JUL	6.600	5.000	5.700	5.400	4.900	5.100
AUG	4.700	5.200	5.500	5.900	4.900	4.800
SEP	5.500	5.800	5.100	5.100	.	.
OCT	5.200	3.900	4.000	3.900	3.600	3.800
NOV	3.700	2.700	3.000	2.700	2.800	3.100
DEC	4.000	2.800	3.900	2.800	3.000	3.000
THALLIUM (UG/L)			DET'N LIMIT = .010 GUIDELINE = 13. (D4)			

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JAN	BDL	BDL	.020 <T	BDL	BDL	BDL
FEB	BDL	BDL	.040 <T	.020 <T	BDL	BDL
MAR	BDL	.050 <T	.090 <T	BDL	.030 <T	.040 <T
APR	.060 <T	.020 <T	.120 <T	.050 <T	.040 <T	BDL
MAY	.030 <T	.040 <T	.070 <T	.020 <T	.	.
JUN	.070 <T	.060 <T	.030 <T	BDL	BDL	.060 <T
JUL	BDL	.040 <T	BDL	BDL	BDL	BDL
AUG	.030 <T	.040 <T	BDL	BDL	BDL	.030 <T
SEP	.080 <T	.050 <T	.020 <T	.020 <T	.	.
OCT	.020 <T	.020 <T	.020 <T	BDL	.020 <T	BDL
NOV	BDL	BDL	BDL	BDL	BDL	BDL
DEC	BDL	BDL	.020 <T	BDL	.020 <T	.020 <T
URANIUM (UG/L)				DET'N LIMIT = .020	GUIDELINE = 100.(B1)	
JAN	.410	.290	.350	.320	.280	.290
FEB	.330	.380	.450	.350	.350	.360
MAR	.570	.500	.550	.510	.430	.460
APR	.490	.460	.520	.390	.450	.480
MAY	.540	.510	.490	.510	.	.
JUN	.490	.510	.540	.550	.570	.540
JUL	.650	.600	.630	.570	.530	.590
AUG	.530	.630	.620	.550	.630	.600
SEP	.450	.440	.700	.660	.	.
OCT	.320	.280	.250	.250	.290	.290
NOV	.300	.250	.320	.320	.300	.330
DEC	.360	.300	.300	.340	.360	.350
VANADIUM (UG/L)				DET'N LIMIT = .050	GUIDELINE = N/A	
JAN	.560	.850	.720	.780	.600	.840
FEB	.190 <T	.200 <T	.240 <T	.230 <T	.260 <T	.270 <T
MAR	.290 <T	.530	.480 <T	.630	.580	.610
APR	.560	.890	.670	.650	.870	.840
MAY	.350 <T	.550	.590	.500 <T	.	.
JUN	.330 <T	.650	.560	.590	.670	.610
JUL	.350 <T	.620	.570	.530	.530	.530
AUG	.280 <T	.480 <T	.560	.590	.480 <T	.500 <T
SEP	.430 <T	.640	.510	.610	.	.
OCT	.400 <T	.490 <T	.520	.490 <T	.480 <T	.480 <T
NOV	.330 <T	.490 <T	.440 <T	.400 <T	.420 <T	.460 <T
DEC	.360 <T	.430 <T	.560	.400 <T	.400 <T	.420 <T
ZINC (UG/L)				DET'N LIMIT = .001	GUIDELINE = 5000. (A3)	
JAN	5.500	2.600	4.600	2.400	28.000	3.000
FEB	9.400	3.000	19.000	2.800	38.000	3.200
MAR	6.300	3.200	7.200	4.300	34.000	3.600
APR	5.000	3.200	6.400	3.500	29.000	3.800
MAY	3.500	2.600	26.000	4.200	.	.

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	4.500	2.800	6.400	18.000	55.000	4.600
JUL	4.200	3.300	4.900	2.900	35.000	4.100
AUG	2.700	1.600	4.500	1.300	10.000	1.500
SEP	3.800	2.800	10.000	2.000	.	.
OCT	4.000	1.000 <T	8.200	1.600	22.000	1.900
NOV	5.600	2.200	12.000	2.600	15.000	2.900
DEC	6.300	1.600	8.300	1.700	28.000	1.900

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
PESTICIDES & PCB						
ALPHA BHC (NG/L)			**DET'N LIMIT = 1.000**		**GUIDELINE = 700 (G)**	
JAN	BDL	BDL	.	3.000 <T	.	3.000 <T
FEB	2.000 <T	2.000 <T	.	1.000 <T	.	1.000 <T
MAR	2.000 <T	2.000 <T	.	2.000 <T	.	BDL
APR	IPE	IPE	.	IPE	.	IPE
MAY	2.000 <T	BDL	.	BDL	.	.
JUN	BDL	BDL	.	3.000 <T	.	3.000 <T
JUL	2.000 <T	5.000 <T	.	5.000 <T	.	4.000 <T
AUG	2.000 <T	BDL	.	2.000 <T	.	BDL
SEP	BDL	1.000 <T	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	1.000 <T	.	2.000 <T	.	BDL
DEC	BDL	1.000 <T	.	2.000 <T	.	1.000 <T
LINDANE (NG/L)			**DET'N LIMIT = 1.000**		**GUIDELINE = 4000 (A1)**	
JAN	1.000 <T	1.000 <T	.	2.000 <T	.	1.000 <T
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	1.000 <T	.	BDL	.	BDL
APR	IPE	IPE	.	IPE	.	IPE
MAY	1.000 <T	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	1.000 <T	BDL	.	BDL	.	BDL
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
ATRAZINE (NG/L)			**DET'N LIMIT = 50.00**		**GUIDELINE = 60000 (B3)**	
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	BDL	.	BDL	.	BDL
MAY	BDL	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	BDL	BDL	.	.	.	.
SEP	BDL	BDL	.	.	.	.
OCT	BDL	BDL	.	.	.	IAM
NOV	170.000 <T	300.000 <T	.	.	.	.
DEC	BDL	BDL	.	.	.	.

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
PHENOLICS (UG/L PHENOLICS)			DET'N LIMIT = 0.2		GUIDELINE = 2.00 (A3)	
JAN	1.600	1.600	.	.	.	.
FEB	1.800	2.200	.	.	.	.
MAR	.800 <T	1.000	.	.	.	.
APR	1.800	1.400	.	.	.	.
MAY	3.600	3.000	.	.	.	.
JUN	1.000	1.200	.	.	.	.
JUL	.800 <T	.600 <T	.	.	.	.
AUG	.800 <T	1.000	.	.	.	.
SEP	.400 <T	.600 <T	.	.	.	.
OCT	.600 <T	1.400	.	.	.	.
NOV	.800 <T	2.000	.	.	.	.
DEC	.600 <T	1.600	.	.	.	.

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
VOLATILES						
BENZENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 5.0 (B1)	
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	.050 <T
APR	BDL	BDL	.	BDL	.	BDL
MAY	.050 <T	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	.100 <T	.	.100 <T
AUG	BDL	BDL	.	.050 <T	.	.050 <T
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
TOLUENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 24.0 (B4)	
JAN	.050 <T	BDL	.	BDL	.	.050 <T
FEB	BDL	BDL	.	BDL	.	BDL
MAR	.150 <T	.150 <T	.	.050 <T	.	.150 <T
APR	.100 <T	.050 <T	.	.150 <T	.	BDL
MAY	BDL	.100 <T	.	.050 <T	.	.
JUN	BDL	BDL	.	.100 <T	.	BDL
JUL	.050 <T	BDL	.	.300 <T	.	.150 <T
AUG	.100 <T	.100 <T	.	.200 <T	.	.200 <T
SEP	BDL	.150 <T	.	.150 <T	.	.
OCT	.100 <T	.100 <T	.	.050 <T	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	.050 <T	.	BDL
ETHYLBENZENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 2.4 (B4)	
JAN	.050 <T	BDL	.	BDL	.	BDL
FEB	.050 <T	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	BDL	.	.050 <T	.	BDL
MAY	BDL	.050 <T	.	BDL	.	.
JUN	BDL	BDL	.	.050 <T	.	BDL
JUL	BDL	BDL	.	.050 <T	.	.050 <T
AUG	BDL	BDL	.	BDL	.	BDL
SEP	BDL	.050 <T	.	BDL	.	.
OCT	BDL	BDL	.	.050 <T	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
M-XYLENE (UG/L)				DET'N LIMIT = .100	GUIDELINE = 300 (B4)	
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	BDL	BDL	.	.100 <T	.	BDL
MAY	BDL	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	.200 <T	.	BDL
AUG	BDL	BDL	.	BDL	.	BDL
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	.100 <T	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
O-XYLENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 300 (B4)	
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	BDL	.	.050 <T	.	BDL
MAY	BDL	BDL	.	.050 <T	.	.
JUN	BDL	BDL	.	.050 <T	.	BDL
JUL	BDL	BDL	.	.100 <T	.	BDL
AUG	BDL	.050 <T	.	.050 <T	.	.050 <T
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
STYRENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 46.5 (D2)	
JAN	.300 <T	.150 <T	.	.050 <T	.	.150 <T
FEB	.050 <T	.100 <T	.	.100 <T	.	.200 <T
MAR	.200 <T	.050 <T	.	.150 <T	.	.200 <T
APR	BDL	.150 <T	.	.250 <T	.	BDL
MAY	.150 <T	.200 <T	.	BDL	.	.
JUN	.100 <T	.150 <T	.	.050 <T	.	BDL
JUL	.100 <T	.100 <T	.	.200 <T	.	.100 <T
AUG	.100 <T	.100 <T	.	.100 <T	.	.050 <T
SEP	.050 <T	BDL	.	.450 <T	.	.
OCT	.050 <T	BDL	.	.100 <T	.	.050 <T
NOV	.050 <T	BDL	.	.100 <T	.	BDL
DEC	.100 <T	.050 <T	.	.150 <T	.	.050 <T
CHLOROFORM (UG/L)				DET'N LIMIT = .100	GUIDELINE = 350 (A1+)	
JAN	BDL	10.000	.	8.700	.	8.000
FEB	.200 <T	10.900	.	9.500	.	9.100
MAR	BDL	5.800	.	6.800	.	7.000
APR	BDL	12.600	.	13.900	.	12.200
MAY	.700 <T	12.300	.	10.300	.	.
JUN	BDL	8.800	.	7.700	.	8.900
JUL	.700 <T	8.400	.	8.100	.	9.900
AUG	BDL	6.800	.	11.800	.	7.400

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BDL	28.000	.	12.200	.	.
OCT	.200 <T	6.800	.	6.400	.	7.400
NOV	BDL	14.200	.	7.800	.	12.300
DEC	BDL	9.000	.	9.000	.	9.000
111, TRICHLOROETHANE (UG/L)				DET'N LIMIT = .020 GUIDELINE = 200 (D1)		
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	.020 <T	.	.040 <T	.	BDL
MAY	.080 <T	.060 <T	.	.060 <T	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	.060 <T	.	BDL
AUG	.020 <T	BDL	.	BDL	.	BDL
SEP	.020 <T	.020 <T	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	.060 <T	.	BDL
CARBON TETRACHLORIDE (UG/L)				DET'N LIMIT = .200 GUIDELINE = 5.0 (D1)		
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	.400 <T	.	.200 <T	.	.400 <T
APR	BDL	BDL	.	BDL	.	BDL
MAY	BDL	BDL	.	BDL	.	.
JUN	BDL	BDL	.	BDL	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	BDL	BDL	.	BDL	.	BDL
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
DICHLOROBROMOMETHANE (UG/L)				DET'N LIMIT = .050 GUIDELINE = 350 (A1+)		
JAN	BDL	7.950	.	7.550	.	7.400
FEB	.050 <T	8.700	.	8.200	.	7.800
MAR	BDL	4.600	.	6.450	.	6.300
APR	BDL	7.800	.	9.500	.	7.300
MAY	BDL	8.150	.	7.200	.	.
JUN	BDL	7.600	.	7.450	.	7.600
JUL	.100 <T	6.400	.	6.800	.	7.350
AUG	BDL	6.500	.	8.250	.	6.650
SEP	BDL	14.300	.	9.100	.	.
OCT	BDL	6.850 APS	.	7.300 APS	.	7.350
NOV	BDL	11.650	.	7.650	.	10.600
DEC	BDL	7.650	.	7.700	.	7.800

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2	SITE 3		
			STANDING	FREE FLOW	STANDING	FREE FLOW
CHLORODIBROMOMETHANE (UG/L)				DET'N LIMIT = .100	GUIDELINE = 350 (A1+)	
JAN	BDL	3.100	.	3.500	.	2.800
FEB	BDL	2.800	.	3.100	.	3.200
MAR	BDL	1.700	.	2.900	.	2.800
APR	BDL	2.100	.	3.400	.	3.200
MAY	BDL	3.100	.	3.100	.	.
JUN	BDL	8.300	.	3.800	.	3.800
JUL	BDL	3.200	.	3.500	.	3.900
AUG	BDL	3.200	.	4.400	.	3.400
SEP	BDL	5.800	.	4.900	.	.
OCT	BDL	3.600	.	4.200	.	4.300
NOV	BDL	5.400	.	4.200	.	5.400
DEC	BDL	3.100	.	3.800	.	3.700
T-CHLOROETHYLENE (UG/L)				DET'N LIMIT = .050	GUIDELINE = 10.0 (C2)	
JAN	BDL	BDL	.	.100 <T	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	BDL	.	BDL	.	BDL
MAY	.050 <T	BDL	.	.100 <T	.	.
JUN	BDL	BDL	.	.050 <T	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	.100 <T	.100 <T	.	BDL	.	.100 <T
SEP	BDL	.050 <T	.	.050 <T	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	.050 <T	BDL	.	BDL	.	BDL
BROMOFORM (UG/L)				DET'N LIMIT = .200	GUIDELINE = 350 (A1+)	
JAN	BDL	.200 <T	.	.200 <T	.	.400 <T
FEB	BDL	.200 <T	.	.400 <T	.	.400 <T
MAR	BDL	.200 <T	.	.200 <T	.	.400 <T
APR	BDL	BDL	.	.400 <T	.	BDL
MAY	BDL	.200 <T	.	.400 <T	.	.
JUN	BDL	.400 <T	.	.400 <T	.	.400 <T
JUL	BDL	.400 <T	.	.400 <T	.	.400 <T
AUG	BDL	.400 <T	.	.400 <T	.	.400 <T
SEP	BDL	.600 <T	.	.400 <T	.	.
OCT	BDL	.400 <T	.	.600 <T	.	.600 <T
NOV	BDL	.600 <T	.	.600 <T	.	.600 <T
DEC	BDL	.400 <T	.	.400 <T	.	.400 <T
1,4 DICHLOROBENZENE (UG/L)				DET'N LIMIT = .100	GUIDELINE = 5.0 (B1)	
JAN	BDL	BDL	.	BDL	.	.200 <T
FEB	BDL	BDL	.	.100 <T	.	.200 <T
MAR	.100 <T	BDL	.	BDL	.	.300 <T
APR	BDL	BDL	.	BDL	.	BDL

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM SOUTH PEEL (LAKEVIEW) WSS 1989

	WATER TREATMENT PLANT		DISTRIBUTION SYSTEM			
	RAW	TREATED	SITE 2		SITE 3	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	BDL	BDL	.	BDL	.	.
JUN	BDL	BDL	.	.300 <T	.	BDL
JUL	BDL	BDL	.	.200 <T	.	.300 <T
AUG	BDL	BDL	.	.200 <T	.	.400 <T
SEP	BDL	BDL	.	.200 <T	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	.200 <T
DEC	BDL	BDL	.	BDL	.	.200 <T
1,2 DICHLOROBENZENE (UG/L)				DET'N LIMIT = .050 GUIDELINE = 200 (B1)		
JAN	BDL	BDL	.	BDL	.	BDL
FEB	BDL	BDL	.	BDL	.	BDL
MAR	BDL	BDL	.	BDL	.	BDL
APR	BDL	BDL	.	BDL	.	BDL
MAY	BDL	BDL	.	BDL	.	.
JUN	.050 <T	BDL	.	.050 <T	.	BDL
JUL	BDL	BDL	.	BDL	.	BDL
AUG	BDL	BDL	.	BDL	.	BDL
SEP	BDL	BDL	.	BDL	.	.
OCT	BDL	BDL	.	BDL	.	BDL
NOV	BDL	BDL	.	BDL	.	BDL
DEC	BDL	BDL	.	BDL	.	BDL
TOTL TRIHALOMETHANES (UG/L)				DET'N LIMIT = .500 GUIDELINE = 350 (A1)		
JAN	BDL	21.250	.	19.950	.	18.600
FEB	BDL	22.600	.	21.200	.	20.500
MAR	BDL	12.300	.	16.350	.	16.500
APR	BDL	22.500	.	27.200	.	22.700
MAY	.700 <T	23.750	.	21.000	.	.
JUN	BDL	25.100	.	19.350	.	20.700
JUL	.700 <T	18.400	.	18.800	.	21.550
AUG	BDL	16.900	.	24.850	.	17.850
SEP	BDL	48.700	.	26.600	.	.
OCT	BDL	17.650	.	18.500	.	19.650
NOV	BDL	31.850	.	20.250	.	28.900
DEC	BDL	20.150	.	20.900	.	20.900

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

Table 6

SCAN/PARAMETER	UNIT	DETECTION LIMIT	GUIDELINE
BACTERIOLOGICAL			
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0 (A1)
STANDARD PLATE COUNT MEMBRANE FILTRATION	CT/ML	0	500/ML(A1)
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100mL(A1)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A
CHLOROAROMATICS			
HEXACHLOROBUTADIENE	NG/L	1.000	450. (D4)
1,2,3-TRICHLOROBENZENE	NG/L	5.000	10000 (I)
1,2,3,4-TETRACHLOROBENZENE	NG/L	1.000	10000 (I)
1,2,3,5-TETRACHLOROBENZENE	NG/L	1.000	10000 (I)
1,2,4-TRICHLOROBENZENE	NG/L	5.000	10000 (I)
1,2,4,5-TETRACHLOROBENZENE	NG/L	1.000	38000 (D4)
1,3,5-TRICHLOROBENZENE	NG/L	5.000	10000 (D4)
HEXACHLOROBENZENE	NG/L	1.0	10. (C1)
HEXACHLOROETHANE	NG/L	1.000	1900. (D4)
OCTACHLOROSTYRENE	NG/L	1.000	N/A
PENTACHLOROBENZENE	NG/L	1.000	74000 (D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	N/A
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	N/A
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A
CHLOROPHENOLS			
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A
2,4,5-TRICHLOROPHENOL	NG/L	50.	2600000 (D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000. (B4)
PENTACHLOROPHENOL	NG/L	50.	30000. (B4)
CHEMISTRY (FLD)			
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A
FIELD PH	DMSNLESS	N/A	6.5-8.5(A4)
FIELD TEMPERATURE	°C	N/A	<15 °C(A1)
FIELD TURBIDITY	FTU	N/A	1.0 (A1)
CHEMISTRY (LAB)			
ALKALINITY	MG/L	.200	30-500(A4)
CALCIUM	MG/L	.100	100. (F2)
CYANIDE	MG/L	.001	.20(A1)
CHLORIDE	MG/L	.200	250. (A3)
COLOUR	TCU	.5	5.0 (A3)
CONDUCTIVITY	UMHO/CM	1.	400. (F2)
FLUORIDE	MG/L	.01	2.4 (A1)
HARDNESS	MG/L	.50	80-100(A4)
MAGNESIUM	MG/L	.05	30. (F2)

SCAN/PARAMETER	UNIT	DETECTION LIMIT	GUIDELINE
NITRITE	MG/L	.001	1.0 (A1)
TOTAL NITRATES	MG/L	.02	10. (A1)
NITROGEN TOTAL KJELDAHL	MG/L	.02	N/A
PH	DMSNLESS	N/A	6.5-8.5(A4)
PHOSPHORUS FIL REACT	MG/L	.0005	N/A
PHOSPHORUS TOTAL	MG/L	.002	.40(F2)
SULPHATE	MG/L	.200	500. (A3)
TOTAL SOLIDS	MG/L	1.	500. (A3)
TURBIDITY	FTU	.02	1.0 (A1)
METALS			
ALUMINUM	UG/L	.050	100. (A4)
ANTIMONY	UG/L	.050	10. (F3)
ARSENIC	UG/L	.050	50. (A1)
BARIUM	UG/L	.020	1000. (A1)
BORON	UG/L	.200	5000. (A1)
BERYLLIUM	UG/L	.010	0.20 (H)
CADMIUM	UG/L	.050	5.0 (A1)
COBALT	UG/L	.020	1000. (H)
CHROMIUM	UG/L	.100	50. (A1)
COPPER	UG/L	.100	1000. (A3)
IRON	UG/L	5.0	300. (A3)
MERCURY	UG/L	.01	1.0 (A1)
MANGANESE	UG/L	.050	50. (A3)
MOLYBDENUM	UG/L	.020	500. (H)
NICKEL	UG/L	.100	50. (F3)
LEAD	UG/L	.020	50. (A1)
SELENIUM	UG/L	.200	10. (A1)
SILVER	UG/L	.020	50. (A1)
STRONTIUM	UG/L	.100	2000. (H)
THALLIUM	UG/L	.010	13. (D4)
TITANIUM	UG/L	.100	N/A
URANIUM	UG/L	.020	20. (A2)
VANADIUM	UG/L	.020	100. (H)
ZINC	UG/L	.020	5000. (A3)
PHENOLICS			
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2	2.0 (A3)
PESTICIDES & PCB			
ALDRIN	NG/L	1.0	700. (A1)
AMETRINE	NG/L	50.	300000. (D3)
ATRAZINE	NG/L	50.	60000. (B3)
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700. (G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300. (G)
GAMMA HEXACHLOROCYCLOHEXANE(LINDANE)	NG/L	1.0	4000. (A1)
ALPHA CHLORDANE	NG/L	2.0	7000. (A1)
GAMMA CHLORDANE	NG/L	2.0	7000. (A1)
BLADEX	NG/L	100.	10000. (B3)
DIELDRIN	NG/L	2.0	700. (A1)
METHOXYCHLOR	NG/L	5.0	900000. (B1)
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0	74000. (D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000. (D4)
ENDRIN	NG/L	4.0	200. (A1)
ENDOSULFAN SULPHATE(THIODAN SULPHATE)	NG/L	4.0	N/A

SCAN/PARAMETER	UNIT	DETECTION LIMIT	GUIDELINE	
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L	500.	35000.	(D2)
PROMETONE	NG/L	50.	52500.	(D3)
PROPAZINE	NG/L	50.	16000.	(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)	NG/L	100.	80000.	(B2)
SIMAZINE	NG/L	50.	10000.	(B3)
POLYAROMATIC HYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO(A)ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A)ANTHRACENE	NG/L	5.0	N/A	
BENZO(E)PYRENE	NG/L	50.0	N/A	
BENZO(B)FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K)FLUORANTHENE	NG/L	1.0	N/A	
BENZO(A)PYRENE	NG/L	5.0	10.	(B1)
BENZO(G,H,I)PERYLENE	NG/L	20.0	N/A	
DIBENZO(A,H)ANTHRACENE	NG/L	10.0	N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B)CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID (2,4,5-T)	NG/L	50.	200000.	(B4)
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSBAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION(AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
MEVINPHOS	NG/L	20.	N/A	
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	

SCAN/PARAMETER	UNIT	DETECTION LIMIT	GUIDELINE	
PARATHION	NG/L	20.	50000.	(B1)
PHORATE (THIMET)	NG/L	20.	2000.	(B3)
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM)	NG/L	2000.	350000.	(G)
DIALLATE	NG/L	2000.	30000.	(H)
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)	NG/L	2000.	245000.	(D3)
VOLATILES				
BENZENE	UG/L	.050	5.0	(B1)
TOLUENE	UG/L	.050	24.0	(B4)
ETHYLBENZENE	UG/L	.050	2.4	(B4)
PARA-XYLENE	UG/L	.100	300.	(B4)
META-XYLENE	UG/L	.100	300.	(B4)
ORTHO-XYLENE	UG/L	.050	300.	(B4)
1,1-DICHLOROETHYLENE	UG/L	.100	7.0	(D1)
ETHLYENE DIBROMIDE	UG/L	.05	.05	G)
METHYLENE CHLORIDE	UG/L	.500	50.	(B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.100	70.	(D5)
1,1-DICHLOROETHANE	UG/L	.100	N/A	
CHLOROFORM	UG/L	.100	350.	(A1+)
1,1,1-TRICHLOROETHANE	UG/L	.020	200.	(D1)
1,2-DICHLOROETHANE	UG/L	.050	5.0	(D1)
CARBON TETRACHLORIDE	UG/L	.200	5.0	(B1)
1,2-DICHLOROPROPANE	UG/L	.050	6.0	(D5)
TRICHLOROETHYLENE	UG/L	.100	50.	(B1)
DICHLOROBROMOMETHANE	UG/L	.050	350.	(A1+)
1,1,2-TRICHLOROETHANE	UG/L	.050	.60	(D4)
CHLORODIBROMOMETHANE	UG/L	.100	350.	(A1+)
TETRACHLOROETHYLENE	UG/L	.050	10.0	(C2)
BROMOFORM	UG/L	.200	350.	(A1+)
1,1,2,2-TETRACHLOROETHANE	UG/L	.050	0.17	(D4)
CHLOROBENZENE	UG/L	.100	60.	(D5)
1,4-DICHLOROBENZENE	UG/L	.100	1.0	(B4)
1,3-DICHLOROBENZENE	UG/L	.100	130.	(G)
1,2-DICHLOROBENZENE	UG/L	.050	3.0	(B4)
TRIFLUOROCHLOROTOLUENE	UG/L	.100	N/A	
TOTAL TRIHALOMETHANES	UG/L	.500	350.	(A1)
STYRENE	UG/L	.05	140.	(D5)